

Structured Systems Analysis And Design Method

Pertemuan-17



Dr. Sutedi, S.Kom., M.T.I.

DESAIN OUTPUT SECARA UMUM

- **Tipe output**

- Internal output
- External output

- **Format output**

- narrative
- tabel
- grafik

- **Langkah-langkah desain**

- Menentukan kebutuhan *output*
- Menentukan parameter *output*

Writing a narrative essay necessitates a certain level of storytelling talent. In a formal college narrative essay, you should narrate your personal experience and include facts that happened and what you learnt.

The definition of a narrative essay differs between schools and institutions. Generally, the paper is used to tell a tale in an inspirational manner or convey your personal experience. Because everyone writes stories, readers can relate to them more than the other writing genres.

What to Write About?
Before you choose the topic for your narrative essay, ensure to focus on something interesting for you and your readers. The topic of the narrative essay refers to your experience, which means you don't have to use any additional information that outside sources. There are three main types of a properly chosen topic for a narrative essay. You should see to it that:
The topic is unique.
It gets your readers interested in reading or want that for the rest of the essay.
Before you choose an experience to share with the audience, make sure it can be transformed into a meaningful essay tale.

Make some plans. If you don't have a strong draft, it's difficult to write a catchy narrative plot. Non-sequencing to conditions. There is why you should prepare a narrative essay outline and start, which you will subsequently modify and delete to avoid the major requirements.

Incorporate plot components. Every good story contains elements such as setting, plot, description, characters, and a variety of other issues that will help you hook and keep your reader's attention. In your narrative essay, use all of these aspects to guarantee that you follow all of the standards of literary.

Incorporate the opposite into your plot. The best narrative essays typically have both a protagonist and an antagonist, but the struggle. The protagonist in the main character of the tale who is usually someone about something. Bring in a force, a state, or a circumstance. The antagonist is the one who provides the protagonist in most stories, you draw through the related facts.

Give your stories. Make sure your readers understand your requirements in the plot. In other words, you can depict the incident and explain why you acted the way you did in a certain scenario.

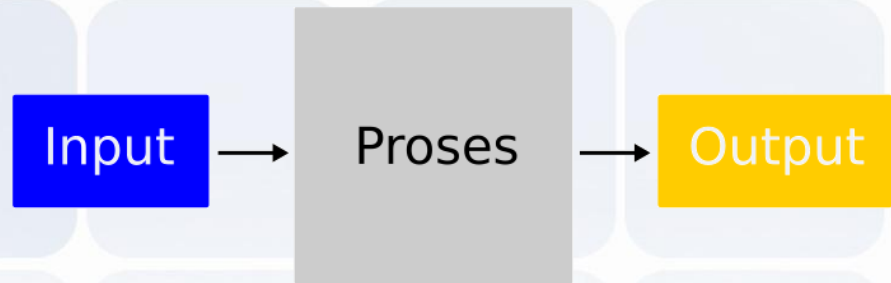
Don't forget to add support. In a narrative essay, you must express your point of view. You should always present reasons with clear and solid evidence for each. To accept your view, you findings, your readers need to see references or data.

Present value interest factor of an (ordinary) annuity of \$1 per period at *i%* for *n* periods. PVIFA(*n*, *i*)

Period	1%	2%	3%	4%	5%	6%	7%	8%	9%	10%	11%	12%	13%	14%	15%	16%	17%	18%	19%	20%
1	0.9901	0.9803	0.9706	0.9610	0.9515	0.9421	0.9328	0.9236	0.9145	0.9055	0.8966	0.8878	0.8791	0.8706	0.8622	0.8539	0.8457	0.8376	0.8296	0.8217
2	1.9703	1.9416	1.9131	1.8848	1.8567	1.8288	1.8011	1.7736	1.7463	1.7192	1.6923	1.6656	1.6392	1.6131	1.5872	1.5616	1.5363	1.5113	1.4866	1.4622
3	2.9410	2.8983	2.8561	2.8144	2.7731	2.7323	2.6919	2.6519	2.6123	2.5731	2.5343	2.4959	2.4579	2.4202	2.3829	2.3460	2.3095	2.2734	2.2377	2.2024
4	3.9020	3.8401	3.7787	3.7178	3.6574	3.5975	3.5381	3.4792	3.4208	3.3629	3.3055	3.2486	3.1922	3.1363	3.0809	3.0261	2.9718	2.9181	2.8649	2.8122
5	4.8534	4.7715	4.6901	4.6092	4.5288	4.4489	4.3695	4.2906	4.2122	4.1343	4.0569	3.9800	3.9036	3.8277	3.7523	3.6774	3.6030	3.5291	3.4557	3.3828
6	5.7953	5.6935	5.5922	5.4914	5.3911	5.2913	5.1920	5.0932	5.0000	4.9073	4.8151	4.7234	4.6322	4.5415	4.4513	4.3616	4.2724	4.1837	4.0955	4.0078
7	6.7278	6.6061	6.4850	6.3644	6.2443	6.1247	6.0056	5.8870	5.7689	5.6513	5.5342	5.4176	5.3015	5.1859	5.0708	4.9562	4.8421	4.7285	4.6154	4.5028
8	7.6511	7.5095	7.3684	7.2278	7.0876	6.9479	6.8086	6.6697	6.5312	6.3932	6.2557	6.1186	5.9820	5.8459	5.7103	5.5752	5.4406	5.3064	5.1726	5.0392
9	8.5664	8.3949	8.2239	8.0534	7.8834	7.7139	7.5448	7.3761	7.2078	7.0400	6.8726	6.7056	6.5390	6.3728	6.2070	6.0416	5.8766	5.7120	5.5478	5.3840
10	9.4737	9.2723	9.0715	8.8712	8.6714	8.4721	8.2733	8.0750	7.8771	7.6800	7.4834	7.2873	7.0917	6.8966	6.7019	6.5076	6.3137	6.1202	5.9271	5.7344
11	10.3731	10.1418	9.9113	9.6814	9.4521	9.2234	8.9952	8.7675	8.5403	8.3136	8.0874	7.8616	7.6362	7.4112	7.1866	6.9624	6.7386	6.5152	6.2921	6.0694
12	11.2647	10.9935	10.7233	10.4540	10.1856	9.9179	9.6508	9.3842	9.1181	8.8525	8.5874	8.3228	8.0586	7.7948	7.5314	7.2684	7.0057	6.7433	6.4812	6.2194
13	12.1486	11.8375	11.5275	11.2184	10.9099	10.6020	10.2948	9.9883	9.6824	9.3771	9.0724	8.7682	8.4645	8.1613	7.8586	7.5563	7.2544	6.9528	6.6515	6.3505
14	13.0250	12.6740	12.3242	11.9754	11.6274	11.2801	10.9334	10.5872	10.2415	9.8963	9.5516	9.2073	8.8634	8.5200	8.1770	7.8343	7.4919	7.1498	6.8079	6.4662
15	13.8940	13.4930	13.0933	12.6946	12.2967	11.8994	11.5026	11.1062	10.7102	10.3146	9.9194	9.5246	9.1301	8.7359	8.3420	7.9484	7.5551	7.1620	6.7691	6.3763
16	14.7557	14.3047	13.8551	13.4067	12.9592	12.5124	12.0662	11.6204	11.1750	10.7300	10.2853	9.8410	9.3970	8.9533	8.5100	8.0670	7.6242	7.1816	6.7392	6.2969
17	15.6103	15.1093	14.6100	14.1122	13.6157	13.1203	12.6251	12.1300	11.6350	11.1401	10.6453	10.1506	9.6560	9.1615	8.6671	8.1728	7.6786	7.1845	6.6904	6.2461
18	16.4580	15.9070	15.3580	14.8108	14.2643	13.7184	13.1731	12.6280	12.0829	11.5378	11.0427	10.5476	10.0525	9.5574	9.0623	8.5672	8.0721	7.5770	7.0819	6.5868
19	17.3000	16.6990	16.0993	15.4999	14.8999	14.2999	13.6999	13.0999	12.4999	11.8999	11.2999	10.6999	10.0999	9.4999	8.8999	8.2999	7.6999	7.0999	6.4999	5.8999
20	18.1364	17.4754	16.8150	16.1542	15.4929	14.8311	14.1688	13.5060	12.8427	12.1789	11.5146	10.8498	10.1845	9.5187	8.8524	8.1856	7.5183	6.8505	6.1822	5.5134
21	18.9675	18.2565	17.5463	16.8357	16.1246	15.4130	14.7009	13.9883	13.2752	12.5616	11.8475	11.1329	10.4178	9.7022	8.9861	8.2695	7.5524	6.8348	6.1167	5.3981
22	19.7934	19.0324	18.2723	17.5118	16.7508	15.9893	15.2273	14.4648	13.7018	12.9383	12.1743	11.4098	10.6448	9.8793	9.1133	8.3468	7.5798	6.8123	6.0443	5.2758
23	20.6143	19.8033	19.0033	18.2028	17.4018	16.6003	15.7983	14.9958	14.1928	13.3893	12.5853	11.7808	10.9758	10.1703	9.3643	8.5578	7.7508	6.9433	6.1353	5.3268
24	21.4303	20.5683	19.7283	18.8878	18.0463	17.2038	16.3603	15.5163	14.6718	13.8268	12.9813	12.1353	11.2888	10.4418	9.5943	8.7463	7.8978	7.0483	6.1983	5.3478
25	22.2413	21.3283	20.4483	19.6078	18.7658	17.9228	17.0783	16.2328	15.3863	14.5393	13.6918	12.8438	11.9953	11.1463	10.2963	9.4453	8.5938	7.7413	6.8883	6.0348
26	23.0473	22.0783	21.1583	20.3178	19.4748	18.6303	17.7843	16.9378	16.0903	15.2423	14.3938	13.5443	12.6938	11.8423	10.9893	10.1353	9.2803	8.4238	7.5653	6.7053
27	23.8483	22.8183	21.8583	20.9678	20.0748	19.1793	18.2813	17.3813	16.4793	15.5753	14.6703	13.7638	12.8553	11.9443	11.0313	10.1173	9.2023	8.2853	7.3663	6.4453
28	24.6443	23.5583	22.5583	21.6678	20.7748	19.8693	18.9613	18.0513	17.1393	16.2253	15.3103	14.3938	13.4753	12.5543	11.6313	10.7073	9.7823	8.8553	7.9263	6.9953
29	25.4353	24.2983	23.2583	22.3578	21.4648	20.5593	19.6493	18.7373	17.8233	16.9073	15.9903	15.0713	14.1503	13.2273	12.3023	11.3753	10.4463	9.5153	8.5823	7.6473
30	26.2213	25.0383	23.9583	23.0478	22.1548	21.2493	20.3393	19.4273	18.5133	17.5973	16.6793	15.7593	14.8373	13.9133	12.9873	12.0593	11.1293	10.1973	9.2633	8.3273
31	27.0023	25.7783	24.6583	23.7378	22.8448	21.9293	21.0093	20.0873	19.1633	18.2373	17.3103	16.3813	15.4503	14.5173	13.5823	12.6453	11.7063	10.7653	9.8223	8.8773
32	27.7783	26.5183	25.3983	24.4278	23.5348	22.6093	21.6793	20.7473	19.8133	18.8773	17.9393	17.0003	16.0593	15.1163	14.1713	13.2243	12.2753	11.3243	10.3713	9.4173
33	28.5503	27.2583	26.1383	25.1178	24.2248	23.2893	22.3493	21.4073	20.4633	19.5173	18.5693	17.6193	16.6673	15.7133	14.7573	13.7993	12.8393	11.8773	10.9133	9.9473
34	29.3173	27.9983	26.8783	25.8078	24.9148	23.9693	23.0193	22.0673	21.1133	20.1573	19.1993	18.2393	17.2773	16.3133	15.3473	14.3793	13.4093	12.4373	11.4593	10.4873
35	30.0793	28.7383	27.6183	26.4978	25.6048	24.6593	23.7093	22.7473	21.7833	20.8173	19.8493	18.8793	17.9073	16.9333	15.9573	14.9793	13.9993	13.0173	12.0353	11.0473
36	30.8363	29.4783	28.3583	27.1878	26.2948	25.3493	24.3893	23.4173	22.4433	21.4673	20.4893	19.5093	18.5273	17.5433	16.5573	15.5693	14.5793	13.5873	12.5953	11.5973
37	31.5883	30.2183	29.0983	27.8778	26.9848	26.0493	25.0793	24.0973	23.1133	22.1273	21.1393	20.1493	19.1573	18.1633	17.1673	16.1693	15.1693	14.1673	13.1633	12.1573
38	32.3353	30.9583	29.8383	28.5678	27.6748	26.7493	25.7693	24.7773	23.7833	22.7873	21.7893	20.7893	19.7873	18.7833	17.7773	16.7693	15.7593	14.7473	13.7333	12.7173
39	33.0773	31.6983	30.5783	29.2578	28.3648	27.4493	26.4593	25.4573	24.4533	23.4473	22.4393	21.4293	20.4173	19.4033	18.3873	17.3693	16.3493	15.3273	14.3033	13.2773
40	33.8143	32.4383	31.3183	29.9478	29.0548	28.1493	27.1493	26.1373	25.1233	24.1073	23.0893	22.0693	21.0473	20.0233	19.0003	17.9693	16.9373	15.9033	14.8673	13.8273
41	34.5463	33.1783	32.0583	30.6378	29.7448	28.8393	27.8393	26.8173	25.7933	24.7673	23.7393	22.7093	21.6773	20.6433	19.6073	18.5693	17.5293	16.4873	15.4433	14.3973
42	35.2733	33.9183	32.7983	31.3278	30.4348	29.5293	28.5293	27.4973	26.4633	25.4273	24.3893	23.3493	22.3073	21.2633	20.2173	19.1693	18.1193	17.0673	16.0133	14.9573
43	36.0003	34.6583	33.5383	32.0178	31.1248	30.2193	29.2193	28.1773	27.1293	26.0813	25.0313	23.9793	22.9253	21.8693	20.8113	19.7513	18.6893	17.6253	16.5573	15.4873
44	36.7273	35.3983	34.2783	32.7078	31.8148	30.9143	29.9143	28.8613	27.8033	26.7433	25.6813	24.6173	23.5513	22.4833	21.4133	20.3413	19.2673	18.1913	17.1093	16.0273
45	37.4543	36.1383	35.0183	33.3978	32.5048	31.6093	30.6093	29.5473	28.4833	27.4173	26.3513	25.2833	24.2133	23.1413	22					

DESAIN *INPUT* SECARA UMUM

- **Proses *input***
- **Tipe *input***
 - *Internal input*
 - *External input*



www.petanikode.com

- **Langkah-langkah desain**
 - Menentukan kebutuhan *input*
 - Menentukan parameter *input*

DESAIN *DATABASE* SECARA UMUM

- **Tipe file**
 - *Master file/table*
 - *Reference master file/table*
 - *Dynamic master file/table*
 - *Transaction file/table*
 - *Report file/table*
 - *History file/table*
 - *Backup file/table*
 - *Working file/table*

DESAIN *DATABASE* SECARA UMUM

- **Langkah-langkah desain**
 - Menentukan kebutuhan *file/table database*
 - Menentukan parameter *file/table database*



DESAIN *DATABASE* SECARA UMUM

- **Latihan Studi kasus 1**

Daftar Persediaan Obat

No	Kode	Nama Obat	Kategori	Supplier	Jml Stok	Satuan	Harga

DESAIN *DATABASE* SECARA UMUM

- **Latihan Studi kasus 2**

Resep Dokter

No. Resep :
Tgl. Resep :
Nama Pasien :

Nama Obat	Dosis	Aturan Pemakaian	Kondisi

Dokter

<Nama Dokter>

THANK YOU

Sampai jumpa di sesi berikutnya

