



General Instructions:

Document Format for each question:

Question

Your Program

Your output

*Screenshot of your program and output **with your identity**.*

Upload: as pdf with file name as regno_FAT.pdf on or before 3:35 PM in VTOP. [The files will be downloaded exactly by 3:35 PM and the files uploaded late will not be considered]

Mark distribution

A. 40 Marks

B. 10 Marks

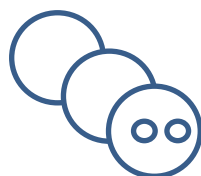
1. A. Details of different vaccines (Type of vaccine, ID, Production Company, Date of Manufacturing, Date of Expiry, package number, package status) are stored and maintained by the health authorities in packages.

Vaccines are administered with 2 lists in the following priority:

- (i) Vaccines nearing expiry date whose status is not opened
- (ii) Vaccines whose packages have been opened with nearing expiry date

Write a C program to list the IDs of the vaccines with their package number in the order in which they will be administered first with opened packages and next with unopened packages. Date of manufacture and Date of expiry should be inputted as strings. [Note perform the above concept using dynamic memory allocation and also by passing the structure to function]

- B. Create the below image using C graphics program.



2. A. The details of the YouTube channel s information (Name, Owner, Age, status (Platinum/ Gold/ Silver), Date of registering, no. of subscribers, Date of latest release) are maintained. Write a C program to perform the following :

Get the new no. of subscribers for each channel and update the status as if no. of subscribers are more than a million the channel has platinum status. If no. of subscribers are 500,000 and 100,000 they are gold and silver respectively. Finally display the list of channel names with platinum status according to latest registration date. Date of registering and Date of latest release should be inputted as strings. [Note perform the above concept using dynamic memory allocation and also by passing the structure to function]

- B. Create the below image using C graphics program.



S.No.	Reg. No.	Name	Q.No.
1	18BCB0065	RAJAT SHARMA	1
2	19BCE0003	MATEEN JAMAL	2
3	19BCE2272	SHAMITH D RAO	1
4	19BCI0115	ARKAJIT DATTA	2
5	19BCT0004	NALLURI SAI LIKHITHA	1
6	19BCT0010	SURA SAI RAM	2
7	19BCT0014	ROHIT RAVICHANDRAN	1
8	19BCT0015	CHINTALA THARUN TEJ	2
9	19BCT0031	KUNALA PRANEETH	1
10	19BCT0035	K KISHAN KUMAR	2
11	19BCT0046	SHREYAS GUDURI	1
12	19BCT0047	VADDI RAMA GOVINDA RAJULU	2
13	19BCT0049	K HARISH GOKUL	1
14	19BCT0050	MARU LEELA AKHIL KUMAR REDDY	2
15	19BCT0051	KURRA NAGA BHARGAV KOWSHIK	1
16	19BCT0052	MANDIRA CHARUDUTT HAWALDAR	2
17	19BCT0056	KARUTURI SIVA KARTHIK	1
18	19BCT0077	HEMANTH SAI VARMA POTTURI	2
19	19BCT0082	JASSHU GARG	1
20	19BCT0092	SHUBHAM SHANKARAM	2

21	19BCT0093	GOTTUMUKKALA SRI VARMA	1
22	19BCT0119	SARTHAK GULATI	2
23	19BCT0133	SHREYA GODAWAT	1
24	19BCT0160	ANDHAVARAPU SAI NIVAS	2
25	19BCT0165	N R SRIRANJANI	1
26	19BCT0168	HARTEJ SINGH	2
27	19BCT0171	ADITYA SHREY SHARMA	1
28	19BCT0181	AYUSH WUNNAVA	2
29	19BCT0182	ELIKA LOKESH	1
30	19BCT0183	AATMAN PRAJAPATI	2
31	19BCT0188	PARTH MAITREY	1
32	19BCT0189	KABIR SINGH SHEKHAWAT	2
33	19BCT0197	KOLISSETTY VAMSI NAGA ADI KRISHNA	1
34	19BCT0200	KARRI AISHITH	2
35	19BCT0202	GORLA TRISHA REDDY	1
36	19BCT0211	DASARI HAVILA REDDY	2
37	19BCT0212	BOMMISSETTI BHAVYA	1
38	19BCT0218	KOYYA DOONDY SAI VYSHNAVI	2
39	19BCT0223	ADITYA JOGLEKAR	1
40	19BCT0229	VASA RAGHAVA KAMI REDDY	2
41	19BCT0230	HEMANTH KRISHNA	1
42	19BCT0232	ESHIKA GOYAL	2
43	19BCT0253	TANKALA HARSHA VARDHAN	1
44	19BCT0257	M YASHWANTH	2
45	19BDS0008	MURUGESAN JAGAN	1
46	19BDS0058	ANISHA GUPTA	2
47	19BDS0070	KOTHA BRINDA VIVEK	1
48	19BDS0105	SIDDHARTH CHHAJED	2
49	19BDS0117	PRANJAL KESARWANI	1
50	19BDS0118	SHANTHA LAKSHME S	2
51	19BDS0138	MUHAMMAD ALI NAJJAR	1
52	19BDS0139	HARSH SHARMA	2
53	19MID0004	RAHULPRASAD U	1
54	19MID0017	MOTHISHWARAN C	2
55	19MID0020	PRASHANTH S	1
56	19MID0021	HRITHIK HEM SUNDAR B	2
57	19MID0031	THARUN S	1
58	19MID0057	SABARINATHAN R V	2
59	19MID0068	MARRI CHIDVI	1
60	19MID0069	MARKAPURAM PUNEETH	2
61	19MID0088	MARADANI BHANU PRAKASH	1
62	19MID0101	MEDASANI REDDY KAVYA	2
63	19MID0107	MANDIPALLI SAI SHILPA	1
64	19MID0118	BUDIGIREDDI VARSHITHA	2