

Name Surname:

Student No:

- 1) When requested input from the user, the user types the characters **a**, **b**, **c**, and **enter**, respectively at each time (**abc\n**). In this case, what is the output of the code below? (15 Points)

```
#include <stdio.h>

void main()
{
    char c;

    scanf("%c",&c);
    scanf("%c",&c);

    switch(c){
        case 'a': printf("a");
        case 'A': printf("A"); break;
        case 'b': printf("b"); break;
        case 'c': printf("c"); break;
        default: printf("default"); break;
    }
}
```

- 2) What is the output of the code below? (35 Points)

```
#include <stdio.h>

void main()
{
    for(int i=0;i<20;i++){
        switch(i++){
            case 0:{i++; int i=3;}
            case 1:{break;}
            case 2:{i+=7;}
            case 3:{i++;}
            case 4:{i-=9;}
            default:{i+=5;}
        }
        printf("%d ",i);
    }
}
```

3) The calendar for 2022 is given below. Write the C code that gives the output. (50 Points)

Note:

- 1) Months next to each other are on the same line; the gaps between the months can be chosen arbitrarily.
- 2) It is enough to write the code only for the calendar of 2022; leap year calculation is not required.
- 3) As a reference day in calculating day names: 1 January 2022 (1. Month) is Saturday (Sa).
- 4) Only printf can be used as a function.
- 5) Subjects (struct, pointer, array, function, etc.) that have not been covered in the course yet cannot be used.
- 6) Sensible variable names should be used and comment lines should be written.
- 7) Codings that are not written in accordance with the purpose of the course and the question will not be evaluated (example: just writing the desired output in the printf function).

2022

1. Month

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

2. Month

Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

3. Month

Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

4. Month

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

5. Month

Mo	Tu	We	Th	Fr	Sa	Su
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

6. Month

Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

7. Month

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

8. Month

Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

9. Month

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

10. Month

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

11. Month

Mo	Tu	We	Th	Fr	Sa	Su
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

12. Month

Mo	Tu	We	Th	Fr	Sa	Su
					1	2
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	