

Question 1

Complete

Mark 10.00 out of
10.00

🚩 Flag question

What is the output of the given program?

```
...  
{  
    int a = 1, b = 0, c = 8;  
    int x = a && b || c++;  
    printf("%d", c);  
}
```

Select one:

- ☐ a. 0
- ☐ b. 8
- ☒ c. 9
- ☐ d. 1

Question 2

Complete

Mark 15.00 out of
15.00

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...

```
{  
    char *x= "truefalse";  
    char *y = x+ 2;  
    printf("%c%c", *y, x[1]);  
}
```

The output of the given program is:

ur

Is this true or false?

Select one:

- ☒ True
- ☐ False

Question 3

Complete

Mark 20.00 out of 20.00

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If a program displays an output:

4 12

which choice presents the program?

Select one:

- ☒ a.

```
#include <stdio.h>
int main()
{
    char *s = "hello world";
    char arr[] = "hello world";
    printf("%d %d\n", sizeof(s), sizeof(arr));
    return 0;
}
```
- ☐ b.

```
#include <stdio.h>
int main()
{
    char s[] = "hello world";
    char arr[] = "hello world";
    printf("%d %d\n", sizeof(s), sizeof(arr));
    return 0;
}
```

☐ c. #include <stdio.h>
int main()
{
char *s = "hello world";
char arr = "hello world";
printf("%d %d\n", sizeof(s), sizeof(arr));
return 0;
}

☐ d. #include <stdio.h>
int main()
{
char s = "hello world";
char arr = "hello world";
printf("%d %d\n", sizeof(s), sizeof(arr));
return 0;
}

Question 4

Complete

Mark 0.00 out of 7.00

🚩 Flag question

Which program (s) can have same output?

Note that instead of "..." in printf what the program intends to do could be written but it is kept as "..." in the question and multiple choices intentionally.

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
int y,z;
```

```
printf("Enter two numbers\n");
```

```
scanf("%d%d",&y,&z);
```

```
switch(y < z)
```

```
{
```

```
    case 0: printf("Y = %d ... Z = %d\n",y,z);
```

```
    break;
```

```
    case 1: printf("Z = %d ... Y = %d\n",z,y);
```

```
    break;
```

```
    default:printf("Please enter values again\n");
```

```
}
```

```
return 0;
```

```
}
```

Select one or more:

Select one or more:

☒ a.

```
#include<stdio.h>
int main() {

    int y,z;

    printf("Enter two numbers\n");

    scanf("%d%d",&y,&z);
        if(y == z)
            printf("Y = %d ... Z = %d\n",y,z);
        if(y > z)
            printf("Z = %d ... Y = %d\n",z,y);
        if(y < z)
            printf("Y = %d ... Z = %d\n",y,z);
    return 0;
}
```

☐ b.

```
#include<stdio.h>
int func(int y,int z)
{
    if(y < z) return y;
    else return z;
}
int main()
{
    int y,z;
    printf("Enter two numbers\n");
    scanf("%d%d",&y,&z);
    printf("... %d and %d is %d\n",y,z,func(y,z));
    return 0;
}
```

☐ c.

None

✓ d.

```
#include<stdio.h>
int main()
{
    int y,z;
    printf("Enter two numbers\n");
    scanf("%d%d",&y,&z);
    if(y == z)
        printf("Y = %d ... Z = %d\n",y,z);
    else if(y > z)
        printf("Z = %d ... Y = %d\n",z,y);
    else
        printf("Y = %d ... Z = %d\n",y,z);

    return 0;
}
```


Question 5

Complete

Mark 15.00 out of 15.00

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```
#include <stdio.h>
int addnumbers(int n);
int main()
{
    int num;
    printf("Enter an integer: ");
    scanf("%d", &num);
    printf("Sum = %d", addnumbers(num));
    return 0;
}
int addnumbers(int n)
{
    if (n != 0)
        return n + addnumbers(n - 1);
    else
        return n;
}
```

Fill in the missing parts of the output of the given program using the multiple answers given. Note that you can only choose 3 answers from the multiple answers given. If you select more than 3 answers, you will get a zero mark.

Output:

Output:

...: 20

...=...

Select one or more:

- ☐ a. addnumbers
- ☐ b. 180
- ☐ c. num
- ☒ d. Enter an integer
- ☐ e. sum
- ☐ f. n
- ☒ g. Sum
- ☐ h. 420
- ☐ i. Please enter an integer
- ☐ j. 150
- ☒ k. 210

Question 6

Complete

Mark 10.00 out of
10.00

🚩 Flag question

```
...  
{  
    char *a= "perfect";  
    char *b = a;  
    printf("%c%c", b[1], a[2]);  
}
```

What is the output of the program given above?

Select one:

- ☐ a. None
- ☐ b. pr
- ☐ c. pe
- ☐ d. et
- ☒ e. er