



Winner Academy of Excellence

Day-6 Practice Questions (10th August 2020)

1. What will be the output of the program?

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

```
int func(int);
```

```
int main()
```

```
{
```

```
    int k=35;
```

```
    k=func(k=func(k=func(k)));
```

```
    printf("%d",k);
```

```
    return 0;
```

```
}
```

```
int func(int k)
```

```
{
```

```
    k++;
```

```
    return k;
```

```
}
```

(a) 35

(b) 36

(c) 37

(d) 38

Correct Answer:

2. What will be the output of the program?

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

```
#include<string.h>
```

```
int main()
```

```
{
```

```
    int i,n;
```

```
    char *x="Alice";
```

```
    n=strlen(x);
```

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```
*x=x[n];  
for(i=0;i<=n;i++)  
{  
    printf("%s",x);  
    x++;  
}  
return 0;  
}
```

- (a) Alice
- (b) ecilA
- (c) Alice lice ice ce e
- (d) lice ice ce e

Correct Answer:

3. Which of the following is the correct output for the program given below?

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

```
void main()
```

```
{
```

```
    char *names[]={
```

```
        "Roshni",
```

```
        "Manish",
```

```
        "Sona",
```

```
        "Baiju",
```

```
        "Ritu"
```

```
    };  
  
    int i;  
  
    char *t;  
  
    t=names[3];  
  
    names[3]=names[4];
```

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```
names[4]=t;
for(i=0;i<=4;i++)
printf("%s",names[i]);
}
```

- (a) Roshni Manish Sona Baiju Ritu
- (b) Roshni Manish Sona Ritu Baiju
- (c) Roshni Manish Baiju Sona Ritu
- (d) Roshni Manish Ritu Sona Baiju

Correct Answer:

4. Which of the following is the correct output for the program given below?

```
#include<stdio.h>
void main()
{
    static char mess[6][30]={
        "Don't Walk in front of me...",
        "I may not follow;",
        "Don't walk behind me...",
        "Just walk beside me...",
        "And be my friend."
    };
    printf("%c %c",*(mess[2]+9),*(*(mess+2)+9));
}
```

- (a) t t
- (b) k k
- (c) n k
- (d) m f

Correct Answer:



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5. Which of the following is the correct output for the program given below?

```
#include<stdio.h>

void main()
{
    char str[10]="Angel";
    str[6]='d';
    printf("%s",str);
}
```

- (a) Angel d
- (b) d
- (c) Angel
- (d) Error

Correct Answer:

6. The first argument argc in main() counts

- (a) The number of command line strings including the execution command
- (b) The number of command line strings excluding the execution command
- (c) The number of lines in a program
- (d) The number of characters in a program

Correct Answer:

7. Which statement correctly defines a character string with a length of 4 plus 1 for the terminating NULL?

- (a) char string[];
- (b) char *string;
- (c) char *string[5];
- (d) char string[5];



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Correct Answer:

8. The size of the following union, where an int occupies 4 bytes of memory is

union arc

```
{  
    char x;  
    int y;  
    char ax[8];  
}aha;
```

(a) 16 bytes

(b) 13 bytes

(c) 8 bytes

(d) 4 bytes

Correct Answer:

9. struct

```
{  
    int x;  
    int y;  
}abc;
```

You cannot access x by the following:

1. abc->x;
2. abc[0]->x;
3. abc.x;
4. (abc)->x;

Correct Answer:

10. What is the output of the following code?

union

```
{
```



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```
int no;  
char ch;  
}  
u.ch='2';  
u.no=0;  
printf("%d",u.ch);
```

- (a) 2
- (b) 0
- (c) NULL Character
- (d) None

Correct Answer:





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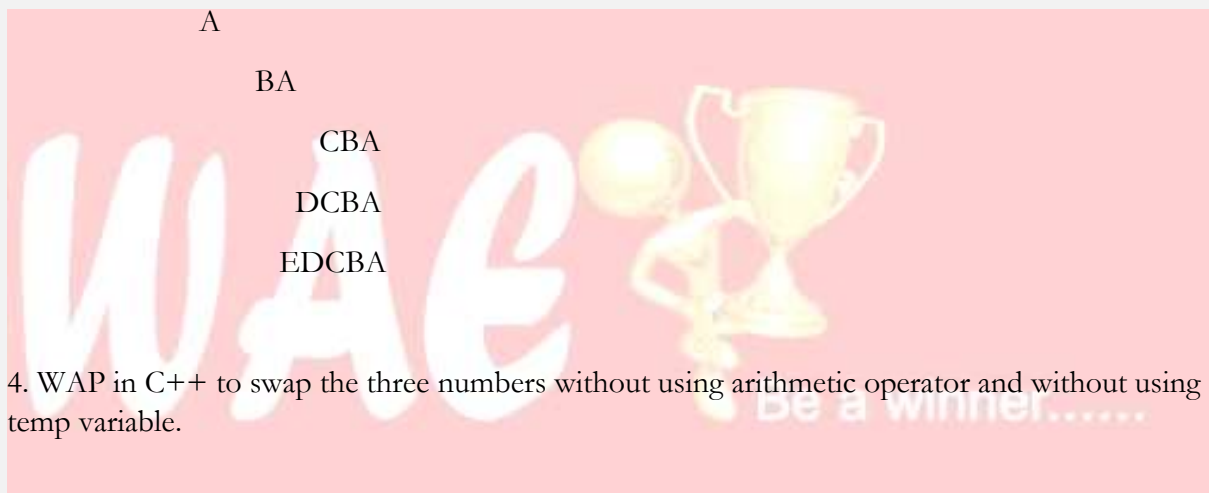
Programming Questions

1. WAP using C++ to Store the 5 students records using array of structure and print the record on the screen.

2. WAP using C++ to perform the following operation using recursion.

1. Find the factorial of the given number
2. Find the Reverse of the given number
3. Print the fibonacci series using recursion
4. Find the result for one number raise to power another number

3. WAP in C++ to print the following pyramid



4. WAP in C++ to swap the three numbers without using arithmetic operator and without using temp variable.

5. WAP in C++ to print the following pyramid

```
1          1
12        21
123       321
1234     4321
1234554321
```