

INPUT OUTPUT QUESTIONS

1. What is the output of this program?

```
#include <iostream>
using namespace std;
int main()
{
    char arr[20];
    int i;
    for(i = 0; i < 10; i++)
        *(arr + i) = 65 + i;
    *(arr + i) = '\0';
    cout << arr;
    return(0);
}
```

- a) ABCDEFGHIJ
- b) AAAAAAAAAA
- c) JJJJJJJ
- d) none of the mentioned

2. What is the output of this program?

```
#include <iostream>
using namespace std;
int main()
{
    char *ptr;
    char Str[] = "abcdefg";
    ptr = Str;
    ptr += 5;
    cout << ptr;
    return 0;
}
```

- a) fg
- b) cdef
- c) defg
- d) abcd

3. What is the output of this program?

```
#include <iostream>
using namespace std;
int main ()
{
    int numbers[5];
    int * p;
    p = numbers; *p = 10;
    p++; *p = 20;
    p = &numbers[2]; *p = 30;
    p = numbers + 3; *p = 40;
    p = numbers; *(p+4) = 50;
```

```

    for (int n=0; n<5; n++)
        cout << numbers[n] << ", ";
    return 0;
}

```

4.What is the output of this program?

```

#include<iostream>
using namespace std;
int main() {
    char st[] = "CodingBlocks";
    for(int i = 0; st[i]; i++)
        cout << st[i] << *(st+i) << *(i+st) << i[st] << endl;
    return 0;
}

```

5.What is the output of this program?

```

#include<iostream>
using namespace std;
int main()
{
    int ***r, **q, *p, i=8;
    p = &i;
    q = &p;
    r = &q;
    cout<<*p<<**q<<***r<<endl;
    return 0;
}

```

6.What is the output of this program?

```

#include <iostream>
using namespace std;
int main()
{
    float arr[5] = { 12.5, 10.0, 13.5, 90.5, 0.5 };
    float *ptr1 = &arr[0];
    float *ptr2 = ptr1 + 3;

    cout<<*ptr2<<endl;
    cout<<ptr2 - ptr1;

    return 0;
}

```

7.What is the output of this program?

```

#include<iostream>
using namespace std;
void swap (char *x, char *y)
{
    char *t = x;
    x = y;
    y = t;
}

```

```

int main()
{

```

```

char *x = "geeksquiz";
char *y = "geeksforgeeks";
char *t;
swap(x, y);
cout<<x<<y;
t = x;
x = y;
y = t;
cout<<endl<<x<<y;
return 0;
}

```

8.What is the output of this program?

```

#include <iostream>
using namespace std;

```

```

void Q(int z)
{
    z += x;
    cout<<z;
}
void P(int *y)
{
    int x = *y + 2;
    Q(x);
    *y = x - 1;
    cout<<x;
}
int main()
{
    int x = 5;
    P(&x);
    cout<<x;
    return 0;
}

```

9. What is the output of this program?

```

int f(int x, int *py, int **ppz)
{
    int y, z;
    **ppz += 1;
    z = **ppz;
    *py += 2;
    y = *py;
    x += 3;
    return x + y + z;
}

```

```

int main()
{
    int c, *b, **a;
    c = 4;
}

```

```
b = &c;  
a = &b;  
cout<<f(c, b, a);  
return 0;  
}
```