

Quiz 3

Question Number	Answer
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10	
11	
12	

1. What is right way to Initialize array?

- A. `int num[6] = { 2, 4, 12, 5, 45, 5 };`
- B. `int n{} = { 2, 4, 12, 5, 45, 5 };`
- C. `int n{6} = { 2, 4, 12 };`
- D. `int n(6) = { 2, 4, 12, 5, 45, 5 };`

2. What will be the output of the program ?

```
#include<stdio.h>
void main()
{
    int a[5] = {5, 1, 15, 20, 25};
    int i, j, m;
    i = ++a[1];
    j = a[1]++;
    m = a[i++];
    printf("%d, %d, %d", i, j, m);
}
```

- A. ☐ 3, 2, 15
- B. ☐ 2, 3, 20
- C. ☐ 2, 1, 15
- D. ☐ 1, 2, 5

3. What will happen if in a C program you assign a value to an array element whose subscript exceeds the size of array?

- A- The element will be set to 0.
- B- The compiler would report an error.
- C- The program may crash if some important data gets overwritten.
- D- The array size would appropriately grow.

4. What will be output if you will execute following c code?

```
#include<stdio.h>
void main()
{
    char arr[7]="Network";
    printf("%s",arr);
}
```

- A- Network
- B- N
- C- network
- D- Garbage value
- E- Compiler error

9. What will be the output of following program code?

```
#include <stdio.h>
int main(void)
{
    char p;
    char buf[10] = {1, 2, 3, 4, 5, 6, 9, 8};
    p = (buf + 1)[5];
    printf("%d", p);
    return 0;
}
```

- A. ☐ 5
- B. ☐ 6
- C. ☐ 9
- D. ☐ Error
- E. ☐ None of the above

5. What will be output if you will execute following c code?

```
#include<stdio.h>
void main()
{
    char arr[11]="The African Queen";
    printf("%s",arr)
}
```

- A- The African Queen
- B- The
- C- Queen
- D- null
- E- Compilation error

10.

An array elements are always stored in _____ memory locations.

- A. ☐ Sequential
- B. ☐ Random
- C. ☐ Sequential and Random
- D. ☐ None of the above

6. What will be output if you will execute following c code?

```
#include<stdio.h>
void main()
{
    char arr[20]="MysticRiver";
    printf("%d",sizeof(arr));
}
```

- A- 20
- B- 11
- C- 12
- D- 22
- E- 24

7. What will be output if you will execute following c code?

```
#include<stdio.h>
void main()
{
    int const SIZE=5;
    int expr;
    double value[SIZE]={2.0,4.0,6.0,8.0,10.0};
    expr=1|2|3|4;
    printf("%f",value[expr]);
}
```

- A-2.000000
- B-4.000000
- C-6.000000
- D-8.000000
- E- Compilation error

11. what will be the output

```
void main()
{
    char a1[3] = "abc";
    char a2[8] = "abcdefgh";
    char b1[] = "abc";
    char b2[] = "abcdefgh";
    printf("a1:%s is size: %d\n",a1,sizeof(a1));
    printf("a2:%s is size: %d\n",a2,sizeof(a2));
    printf("b1:%s is size: %d\n",b1,sizeof(b1));
    printf("b2:%s is size: %d\n",b2,sizeof(b2));
}
```

8. What will be output if you will execute following c code?

```
#include<stdio.h>
void main(){
    char data[2][3][2]={0,1,2,3,4,5,6,7,8,9,10,11};
    printf("%d",data[0][2][1]);
}
```

- A- 5
- B- 6
- C- 7
- D- 8
- E- Compiler error

12. what will be the output

```
void main()
{
    int a;
    int b;
    for (a = 0,b = 0;a < 10,b < 5;a++,b++)
    {
        printf("%d %d\n",a,b);
    }
}
```