C Quiz 3 Q&A (08-11-2023)

1. Find the output of the following code:
```c
int main()
{
    int n=1;
    for(printf("Step 1 \t");printf("Step 2\t"),n--;printf("Step 4\t"))
    {
        printf("Step 3\t");
    }
}
```
Answers

1. Step 1   Step 2   Step 3 Step 4 Step 2
2. Step 1   Step 2   Step 3 Step 4
3. Compile Time Error
4. Step 3

2. What will be the output of the following code?
```c
#include<stdio.h>
int main() {
        int  i = -3, j = 0;
        while (i <= 3, j < 10) {
                if (i >= 0)
                        break;
                else {
                        i++;
                        j++;
                }
                printf("%d, %d\n", i, j);
                continue;
        }
        printf("\nSunbeam");
        return 0;
}
```
Answers

1. 2, 1   Sunbeam   -1, 2   Sunbeam   0, 3   Sunbeam
2. -2, 1   -1, 2   0, 3   Sunbeam
3. Program will execute infinite no of times
4. Program will print sunbeam three times

3. what will be the output of following code?

```c
#include <stdio.h>
int main(void) {
        int a = 2;
        do {
                switch (a, a + 1) {
                case 2:
                        printf("\nYou are in b ");
                        break;
                case 3:
                        printf("\nYou are in c ");
                        break;
                default:
                        printf("\nYou are in default");
                }
        } while (a--);
        return 0;
}
```

Answers

1. You are in c You are in b You are in default
2. You are in b
3. You are in default
4. You are in b   You are in default

4.
```c
#include <stdio.h>
void main()
{
    int i=1;
    while (i<=5)
    {
       printf("%d",i);
       if (i==5)
             goto print;
       i++;
    }
}
```

Answers

1. Hello world
2. Error
3. 5 4 3 2 1
4. 0 1 2 3 4

5. Find the output of the following code:

```c
int main()
{
    int n=5;
    while(n--)
    {
        if(!n)
            continue;
    }
    printf("%d",n);
}
```

Answers

1. Infinite Loop
2. Will cause to Runtime Error
3. 5
4. -1

6. what will be the output of following code?

```c
int main() {
    int x;
    for (x = 1; x <= 5; x++) {
        switch (x) {
        case 1:
            printf("Sunbeam");
            continue;
        case 2:
        case 3:
        case 4:
            break;
        case 5:
            printf("Info");
        }
        printf(".com");
    }
}
```

Answers

1. SunbeamInfo.com
2. Sunbeam.com.com.comInfo.com
3. Sunbeam.comInfo.com
4. Sunbeam.com.com.com.comInfo.com

```
7. void main()
{
while(1){
if(printf("%d",printf("%d")))
break;
else
continue;
}
}
```
Answers

1. 1
2. Infinite loop
3. Garbage value
4. 0


```
8. int main()
{
    char ch ;
    for(ch=0,ch='9' ; ch-48 !=0 ? ch : ch-48 ; ch--)
    {
            printf("%d",ch-48);
    }
}
```
Answers

1. NO Output
2. 987654321
3. 3938373635343231
4. -39-38-37-36-35-34-33-32-31

9. What is the output of the following code?
```
#include<stdio.h>
void main()
{
        int s=0;
        while(s++<10)
        {
                if(s<4 && s<9)
                        continue;
                printf("\n%d\t",s);
        }
}
```
Answers

1. 1 2 3 1 0
2. 4 5 6 7 8 9
3. 4 5 6 7 8 9 10
4. 1 2 3 4 5 6 7 8 9

10. Find the output of the following:(Assume use input f value as 3.5)
```c
int main()
{
    float f;
    f = (printf("Specify value\n"),scanf("%d",&f),break);
    printf("f=%5.2f",f);
}
```
Answers

1. _3.50
2. 3.50
3. Compile Time Error
4. None of these