What is the output of the following code?

```c
#include<stdio.h>
void main()
{
        int s=0;
        while(s++<10)
        {
                if(s<4 && s<9)
                        continue;
                printf("\n%d\t",s);
        }
}
```

○ 12310

○ 456789

○ 45678910

○ 123456789

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

```c
main()
{
unsigned int i=10;
while(i-->=0)
printf("%u ",i);
}
```

○ 10 9 8 7 6 5 4 3 2 1 0 65535 65534....

○ 1

○ 10 9 8 7 6 5 4 3 2 1

○ Infinite loop

○ 10 10 10 10 10 10 10 10 10 10

○ Garbage value

○ 10 8 6 4 2 0

○ 0

```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;
}
```

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

- O 2, 1 Sunbeam   -1, 2 Sunbeam   0, 3 Sunbeam

- O -2, 1 -1, 2   0, 3   Sunbeam

- O Program will execute infinite no of times

- O Program will print sunbeam three times

- O Hello world

- O Error

- O 5 4 3 2 1

- O 0 1 2 3 4

Output?
```c
#include <stdio.h>
int main()
{
    int c = 5, no = 10;
    do {
        no /= c;
    } while(c--);

    printf ("%dn", no);
    return 0;
}
```

Output?
```c
#include <stdio.h>
int main()
{
    int c = 5, no = 10;
    do {
        no /= c;
    } while(c--);

    printf ("%dn", no);
    return 0;
}
```

- O 1

- O Runtime Error

- O 0

- O Compiler Error

- O 1

- O Runtime Error

- O 0

- O Compiler Error

1. What is the output of the following code?

```c
#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

3.
```c
main()
{
unsigned int i=10;
while(i-->=0)
printf("%u ",i);
}
```

Answers

1. 10 9 8 7 6 5 4 3 2 1 0 65535 65534....

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

3. 10 10 10 10 10 10 10 10 10 10

4. 10 8 6 4 2 0

2.
```c
void main()
{
while(1){
if(printf("%d",printf("%d")))
break;
else
continue;
}
}
```

Answers

1. 1

2. Infinite loop

3. Garbage value

4. 0

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

```c
5. #include <stdio.h>
int main()
{
    int i = 0, j = 0;
    while (i<5,j<10)
    {
        i++;
        j++;
    }
    printf("%d %d", i, j);
}
```

Answers

1. 5 5

2. syntax error

3. 5 10

4. 10 10

```c
6. Output?
#include <stdio.h>
int main()
{
    int c = 5, no = 10;
    do {
        no /= c;
    } while(c--);

    printf ("%dn", no);
    return 0;
}
```

Answers

1. 1

2. Runtime Error

3. 0

4. Compiler Error

7. 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

```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

10. Find the correct statement about while loop from below:
I. It is necessary to include an increment/decrement statement.
II. If no. of iterations are not fixed in advance it is compulsory to use while loop
III. It helps to execute blocks of statements repeatedly till the modification statement does not support expression check to
IV. It will execute a loop at least once.

Answers

1. II

2. I

3. IV

4. III

```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