

Operating Systems Workshop (CSE 3541)

Week End Evaluation:2

Date: 01.10.2022

1. What will be the output of the following C code?

```
#include <stdio.h>

int const print()

{

    printf("OSW");

    return 0;

}

void main()

{

    print();

}
```

- a) Error because function name cannot be preceded by const
- b) OSW
- c) OSW is printed infinite times
- d) Blank screen, no output

2. What will be the final value of x in the following C code?

```
#include <stdio.h>

void main()

{

    int x = 5 * 9 / 3 + 9;
```

}

- a) 3.75
- b) Depends on compiler
- c) 24
- d) 3

3. What is the difference between the following 2 C codes?

```
#include <stdio.h> //Program 1
```

```
int main()
```

```
{
```

```
    int d, a = 1, b = 2;
```

```
    d = a++ + ++b;
```

```
    printf("%d %d %d", d, a, b);
```

```
}
```

```
#include <stdio.h> //Program 2
```

```
int main()
```

```
{
```

```
    int d, a = 1, b = 2;
```

```
    d = a++ +++b;
```

```
    printf("%d %d %d", d, a, b);
```

```
}
```

- a) No difference as space doesn't make any difference, values of a, b, d are same in both the case
- b) Space does make a difference, values of a, b, d are different
- c) Program 1 has syntax error, program 2 is not
- d) Program 2 has syntax error, program 1 is not

4. What will be the output of the following C code snippet?

```
#include <stdio.h>

void main()

{

    1 < 2 ? return 1: return 2;

}
```

- a) returns 1
- b) returns 2
- c) Varies
- d) Compile time error

5. What will be the output of the following C function?

```
#include <stdio.h>

void reverse(int i);

int main()

{

    reverse(1);

}

void reverse(int i)

{

    if (i > 5)

        return ;

    printf("%d ", i);

    return reverse((i++, i));

}
```

}

- a) 1 2 3 4 5
- b) Segmentation fault
- c) Compilation error
- d) Undefined behaviour

6. What is the output of this C code?

```
#include <stdio.h>

int main()
{
    float f = 0.1;
    if (f == 0.1)
        printf("True");
    else
        printf("False");
}
```

- a) True
- b) False

7. What is the output of this C code?

```
#include <stdio.h>

main()
{
    int n = 0, m = 0;
    if (n > 0)
        if (m > 0)
```

```
        printf("True");  
    else  
        printf("False");  
}
```

- a) True
- b) False
- c) No Output will be printed
- d) Run Time Error

8. What will be the output of the following C code?

```
#include <stdio.h>  
  
int main()  
{  
    int i = 2;  
    int j = ++i + i;  
    printf("%d\n", j);  
}
```

- a) 6
- b) 5
- c) 4
- d) Compile time error

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

```
#include <stdio.h>  
  
int main()  
{
```

```

    int a = 10, b = 10;

    if (a = 5)

        b--;

    printf("%d, %d", a, b--);

}

```

- a) a = 10, b = 9
- b) a = 10, b = 8
- c) a = 5, b = 9
- d) a = 5, b = 8

10. What will be the output of the following C code?

```

#include <stdio.h>

int main()

{

    int a = 1, b = 1, c;

    c = a++ + b;

    printf("%d, %d", a, b);

}

```

- a) a = 1, b = 1
- b) a = 2, b = 1
- c) a = 1, b = 2
- d) a = 2, b = 2