

Quiz-1

Course: CSE113: Programming and problem solving
Section: 71_1

1. Find the errors and write the correct version

```
#include <stdio.h>
int main() {
    float x = 10.0;
    int y = 20.5;
    char z = "A";
    printf("The value of x is %d\n", x),
    printf("The value of y is %lf\n", y),
    printf("The value of z is %f\n", z);
    for (int i = 0, I =< 5, i++) {
        sum += i;
    }
    Printf("Sum is : ");
    Printf("%d", sum);
    return 0
}
```

2. Find the output of the following code

```
#include <stdio.h>
int main()
{
    int a = -10, b = 20;
    if(a > 0 && b < 0)
        a++;
    else if(a < 0 && b < 0)
        a--;
    else if(a < 0 && b > 0)
        b--;
    else
        b--;
    printf("%d\n", a + b);
    return 0;
}
```

3. Explain the differences between the for, while, and do-while loops in C. Provide an example for each. Convert the following for loop into a do-while loop using C programming.

```
#include <stdio.h>
int main() {
    int i, num, sum = 0;
    for (i = 1; i <= 5; i++) {
        printf("Enter number %d: ", i);
        scanf("%d", &num);
        sum = sum + num;
    }
    printf("Sum of 5 numbers = %d", sum);
    return 0;
}
```