Practical 6

Aim : Write two programs each using for loop and nested for loop.

Theory :

For-loop :

A for loop is a controlled flow statement for specifying iteration, which allows code to be executed properly.

Nested for-loop:

A nested forloop is nothing but a for loop used inside another for loop.

Code :

1. To print all even the integers in the range from 5-25 with one digit in each line.

```c
→ #include <stdio.h>
  #include <conia.h>
  int main(){
    int i= 5;
    printf("The even numbers between 5 and 25 are : \n");
    for(i=0; i<25; i++){
      if(i%2==0){
        printf("%d \n",i);
      }
    }

    return 0;
  }
```

2. To print all odd integers between 50 to 75 in reverse order with one digit in each line.

→
```c
#include <stdio.h>
#include <conio.h>
int main(){
    int i = 75;
    printf(" The odd numbers between 50 and 75 in reverse order are :");
    for (i=74; i≥50; i--){
        if (i%2 != 0){
            printf("\n%d", i);
        }
    }
    return 0;
}
```

Conclusion: Hence, I ~~ostol~~ coded and ~~executed~~ executed two programs using for loop and nested for loop.