NAME:SAMEER

ROLL NO:23K-5535

SECTION :BCS2D

PRACTICE TASK

roblem 4.c
```c
#include <stdio.h>
int main(){
    int num;

    printf("enter the number:");
    scanf("%d",&num);
    for(int i=1;i<=num;i++){
        if(i%2!=0){
            if(i==5){
            continue;
        }
            printf("%d\n",i);

        }

    }

    return 0;
}
```

OUTPUT

```
PS C:\Users\TLS\Desktop\sameer\output> cd 'c:\Users\TLS\Deskto
PS C:\Users\TLS\Desktop\sameer\output> & .\'problem 4.exe'
enter the number:10
1
3
7
9
PS C:\Users\TLS\Desktop\sameer\output>
```

Q4 :LAB TASK

```c
#include <stdio.h>
int main(){
    int num,sum=0;
    printf("enter the number :");
    scanf("%d",&num);
    for(int i=1;i<=num;i++){

        printf("%d  ",i*i);
        sum=sum+i*i;

    }

        printf("\nsum of square of natural numbers is %d",sum);
    return 0;
}
```

OUTPUT:

```
PS C:\Users\TLS\Desktop\sameer\output> cd 'c:\Users\TLS\Desktop
PS C:\Users\TLS\Desktop\sameer\output> & .\'problem 4.exe'
enter the number :10
1  4  9  16  25  36  49  64  81  100
sum of square of natural numbers is 385
PS C:\Users\TLS\Desktop\sameer\output> & .\'problem 4.exe'
enter the number :5
1  4  9  16  25
sum of square of natural numbers is 55
PS C:\Users\TLS\Desktop\sameer\output>
```

Q2:LAB TASK

```c
#include <stdio.h>

int main(){
    int num,power,result;
    printf("enter the number and his power:");
    scanf("%d%d",&num,&power);
    for(int i=1;i<=num;i++){


        result=pow(num,power);
    }
    printf("power of number is %d",result);

    return 0;

}
```

OUTPUT:

```
PS C:\Users\TLS\Desktop\sameer\output> & .\'problem 4.exe'
enter the number and his power:10
3
power of number is 1000
PS C:\Users\TLS\Desktop\sameer\output> cd 'c:\Users\TLS\Desktop\sameer\output'
PS C:\Users\TLS\Desktop\sameer\output> & .\'problem 4.exe'
enter the number and his power:10
3
power of number is 1000
PS C:\Users\TLS\Desktop\sameer\output> & .\'problem 4.exe'
enter the number and his power:5
5
power of number is 3125
PS C:\Users\TLS\Desktop\sameer\output> cd 'c:\Users\TLS\Desktop\sameer\output'
PS C:\Users\TLS\Desktop\sameer\output> & .\'problem 4.exe'
enter the number and his power:7
2
power of number is 49
PS C:\Users\TLS\Desktop\sameer\output> cd 'c:\Users\TLS\Desktop\sameer\output'
PS C:\Users\TLS\Desktop\sameer\output> & .\'problem 4.exe'
enter the number and his power:4
1
power of number is 4
PS C:\Users\TLS\Desktop\sameer\output>
```

Q3:

```c
#include <stdio.h>
int main(){
    int num,sum=0,sum2=0,count=0;
    printf("enter the number :");
    scanf("%d",&num);
printf("odd numbers:\n");
    for(int i=1;i<=num;i++){
if(i%2!=0){

    printf("%d ",i);
    sum=sum+i;
    }
    }
    printf("\neven numbers:\n");
    for(int i=1;i<=num;i++){
        if(i%2==0){
        printf("%d ",i);
        sum2=sum2+i;
    }


    }
    for(int i=1;i<=num;i++){
        if(i==0){
            count++;
        }
    }

    printf("\nsum of odd numbers is %d",sum);
    printf("\nsum of even numbers is %d",sum2);
    printf("\ntotal numbers is zero is %d",count);
}
```

OUTPUT:

```
PS C:\Users\TLS\Desktop\sameer\output> & .\'pr
enter the number :10
odd numbers:
1 3 5 7 9
even numbers:
2 4 6 8 10
sum of odd numbers is 25
sum of even numbers is 30
total numbers is zero is 0
PS C:\Users\TLS\Desktop\sameer\output>
```

Q1:

```c
#include <stdio.h>
int main(){
    int num;
    printf("ennter the  number :");
    scanf("%d",&num);
    for(int i=1;i<=num;i++){
        printf("*******************************\n");
        printf("\n==========***********==========\n");

    }

    return 0;
}
```

OUTPUT:

```
PS C:\Users\TLS\Desktop\sameer\output> &
ennter the  number :4
*******************************

==========***********==========
*******************************

==========***********==========
*******************************

==========***********==========
*******************************

==========***********==========
```