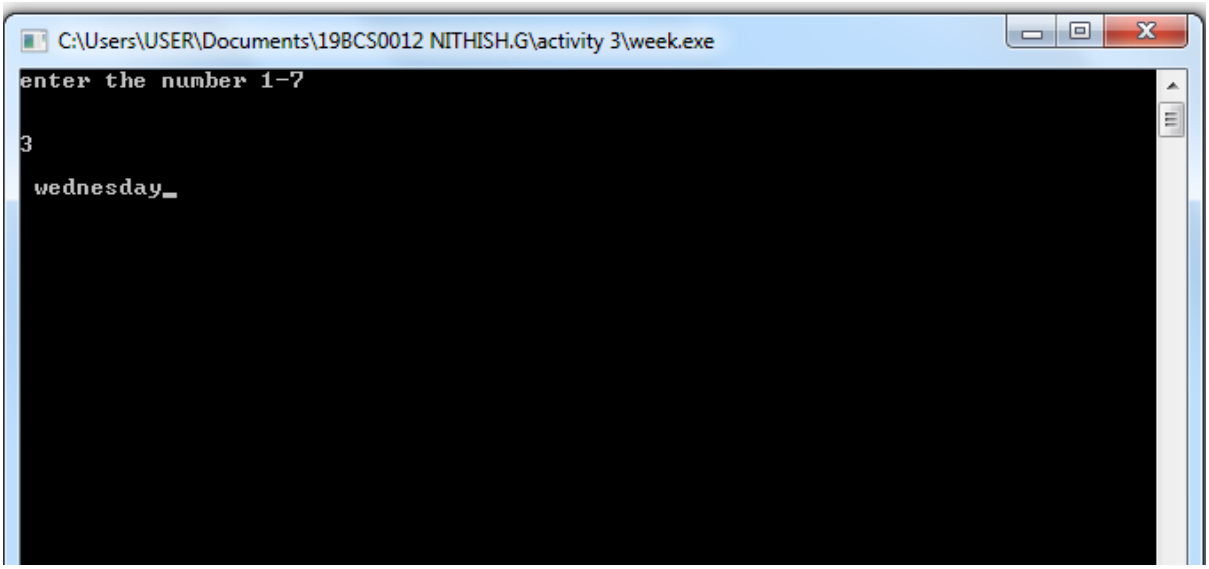
Activity 3 and 4

1. Week names

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int n;
    printf("enter the number 1-7");
    scanf("%d",&n);
    switch(n)
    {
        case 1:
            printf("\n monday");
            break;
        case 2:
            printf("\n tuesday");
            break;
        case 3:
```

```
    printf("\n wednesday");
    break;
case 4:
    printf("\n thursday");
    break;
case 5:
    printf("\n friday");
    break;
case 6:
    printf("\n saturday");
    break;
case 7:
    printf("\n sunday");
    break;
default:
    printf("invalid");
    }
    getch();
    }
```

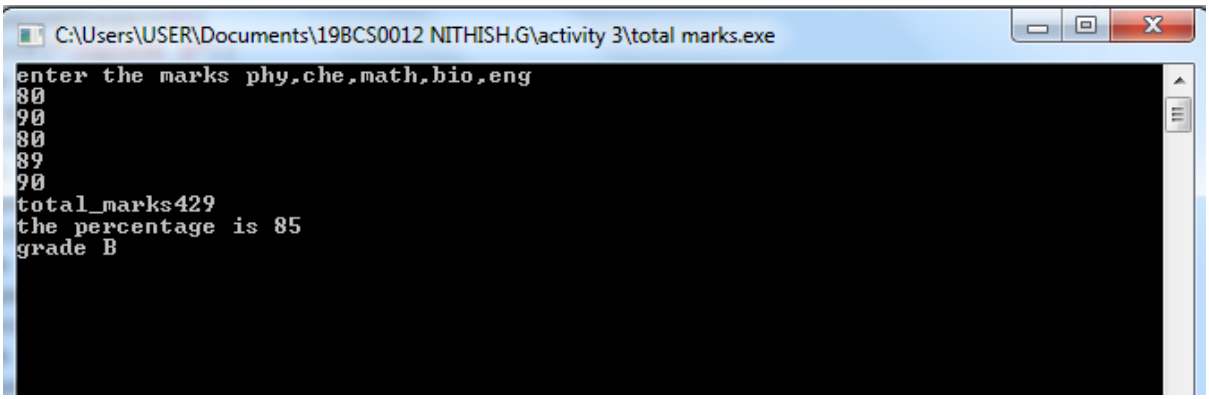


2.Total and grade

```
#include<stdio.h>

#include<conio.h>

void main()

{

int
result,percentage,total,phy,che,math,bio,eng,five_hundred=
500;


printf("enter the marks phy,che,math,bio,eng");

scanf("%d%d%d%d%d",&phy,&che,&math,&bio,&eng);



total=phy+che+math+bio+eng;
```

```
printf("total_marks%d",total);
percentage=total/5;
printf("\nthe percentage is %d\%",percentage);
if(percentage>=90)
printf("\ngrade A");
else
 if(percentage>=80)
printf("\ngrade B");
else
if(percentage>=70)
printf("\ngrade c");
else
if(percentage>=60)
printf("\ngrade d");
else
if(percentage>=40)
printf("\ngrade e");
else
printf("\ngrade f");
```

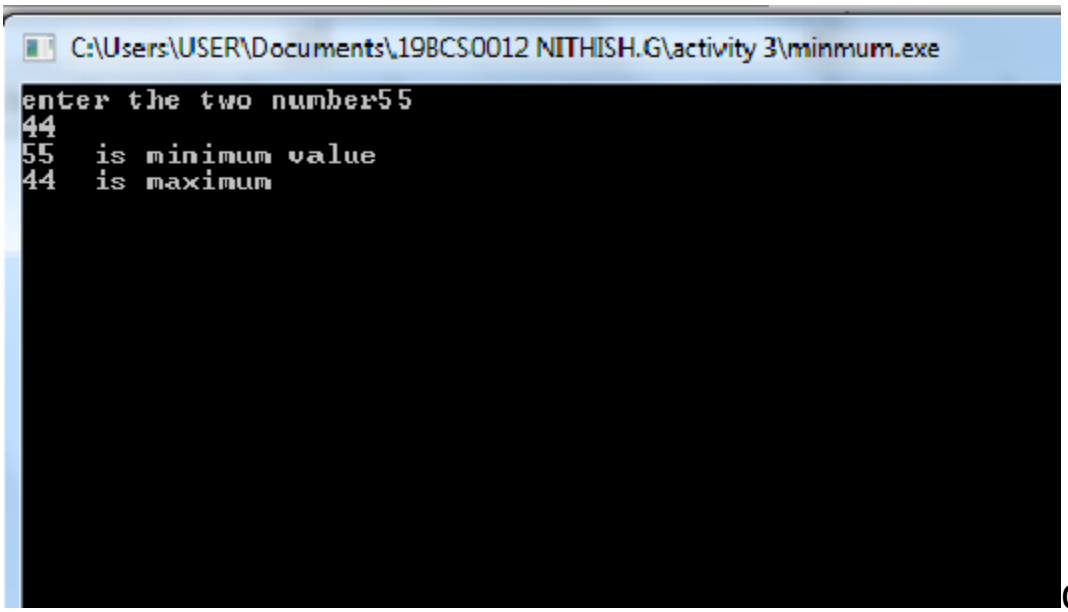
```
getch();
}
```



4.Minimum no

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int a,b;
    printf("enter the two number");
    scanf("%d%d",&a,&b);
    (a<b)?a:b;
    printf("%d  is minimum value ",a);
    (a>b)?a:b;
```

```
printf("\n%d  is maximum ",b);
getch();
}
```



d

5.Maximum no between three no

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int a,b,c,max;
    printf("enter a,b,c;");
    scanf("%d%d%d",&a,&b,&c);
    if(a>b && a>c)
  {
```

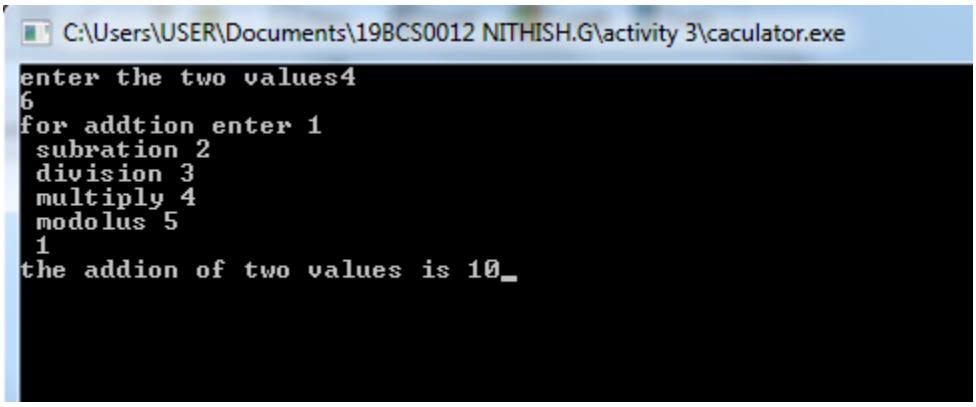
```
            printf("%d is maximumx",a);
}


  if(b>c&&b>a)
  {
        printf("%d is max",b);


}
else
{
printf("%d is max",c);}


getch();
}
```

Calculator operators

```
#include<stdio.h>

#include<conio.h>

void main()

{

    int n,n1,n2,k;

    printf("enter the two values");

    scanf("%d%d",&n1,&n2);

    printf("for addtion enter 1 \n subration 2 \n division 3\n multiply 4 \n modolus 5 \n ");

    scanf("%d",&n);
```

```
        switch(n)
{

  case 1:
        n=n1+n2;
        printf("the addion of two values is %d",n);
        break;
  case 2:
        n=n1-n2;
        printf("the subration of two values is %d",n);
        break;
  case 3:
      n=n1/n2;
      printf("division of two numbers is %d",n);
      break;
  case 4:
      n=n1*n2;
      printf("mul of two numbers is %d",n);
      break;
```

```
        case 5:
            n=n1%n2;
            printf("reminder of two numbers is %d",n);
            break;
            default:
                printf("invalid input");
                break;
             }


        getch();
    }
```

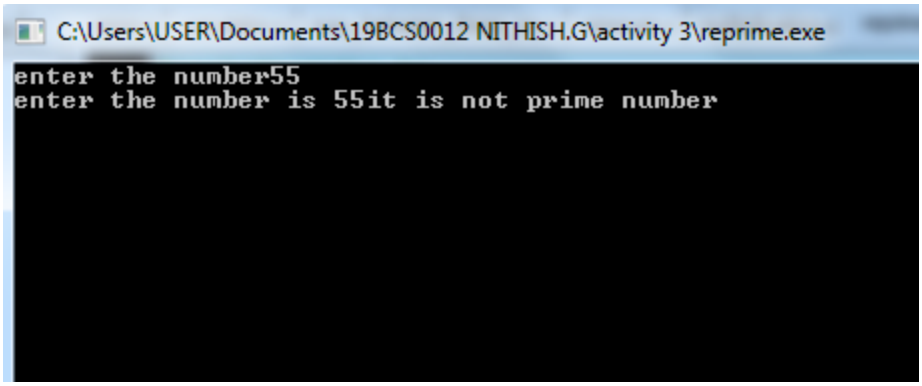


Activity4

1. Prime no

```
#include<stdio.h>
void main()
{
    int n,m,i,p;
    printf("enter the number");
    scanf("%d",&n);
    for(i=1;i<n;i++)
{

    if(n%i==0)
    {
            p++;
    }
    }
    if(p==2)
    {
    printf("enter the number is %d\n "\
    "it is prime number",n);
    }
    else
```

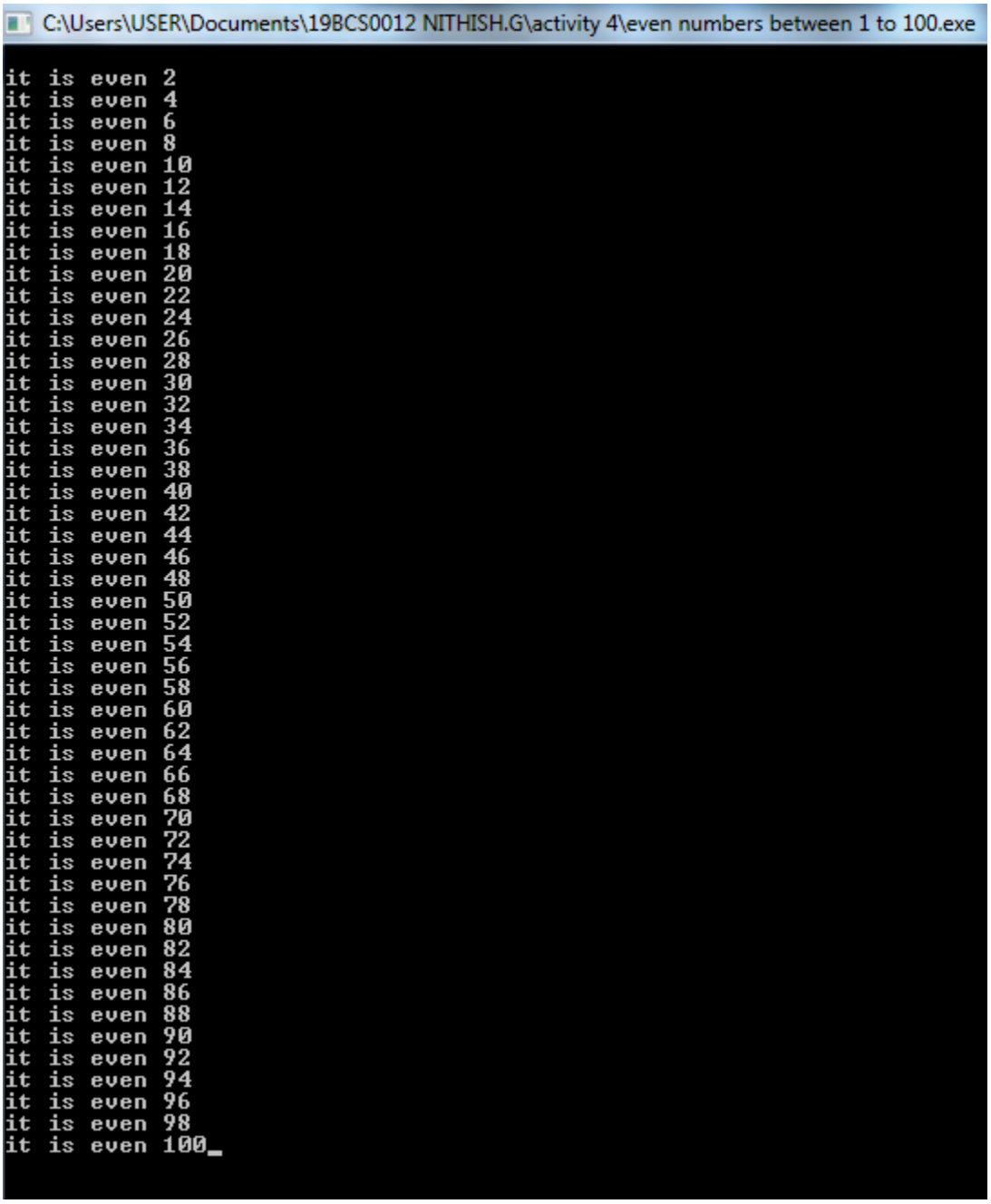
```
    {
    printf("enter the number is %d"\
    "it is not prime number",n);


    }


    getch();
}
```



2.even no.s

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

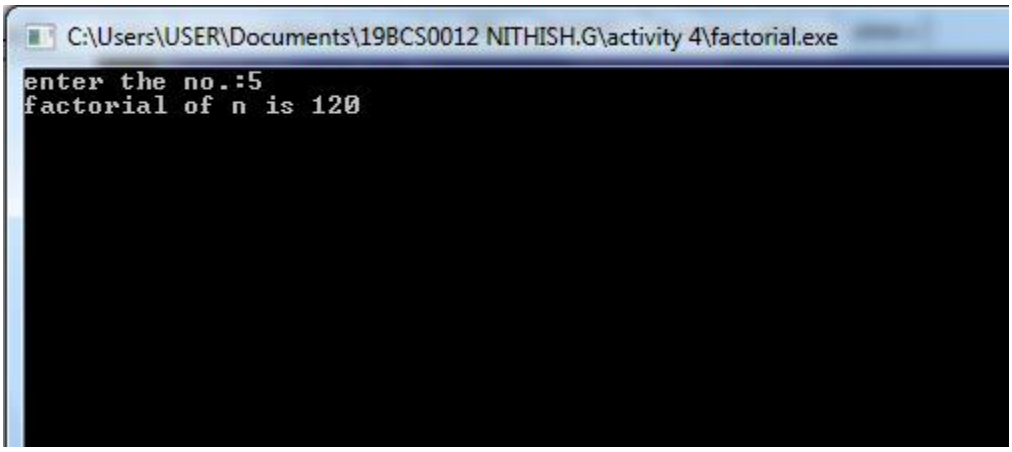
```
for(i=1;i<=100;i++)

 if(i%2==0)

            printf("\nit is even %d",i);



    getch();
   }
```



3.factorials

```
#include<stdio.h>

void main()

{

    int n,i,fact=1;
```

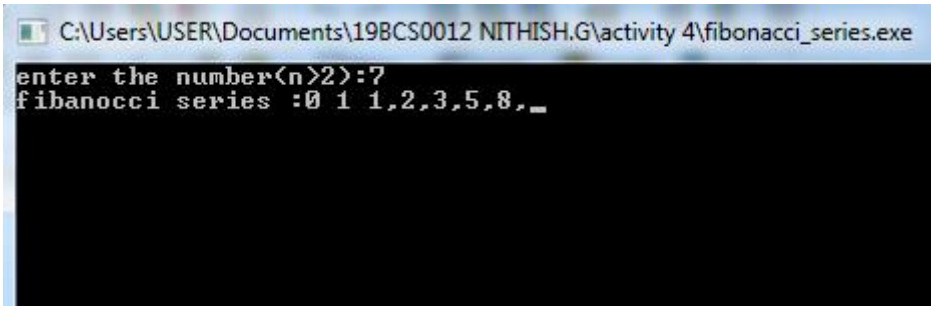
```
    printf("enter the no.:");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
                fact=i*fact;
                printf("factorial of n is %d ",fact);
                getch();
                }
```



4.Fibonacci series

```
#include<stdio.h>
void main()
{
    int n,i,a=0,b=1,c;
    printf("enter the number(n>2):");
```

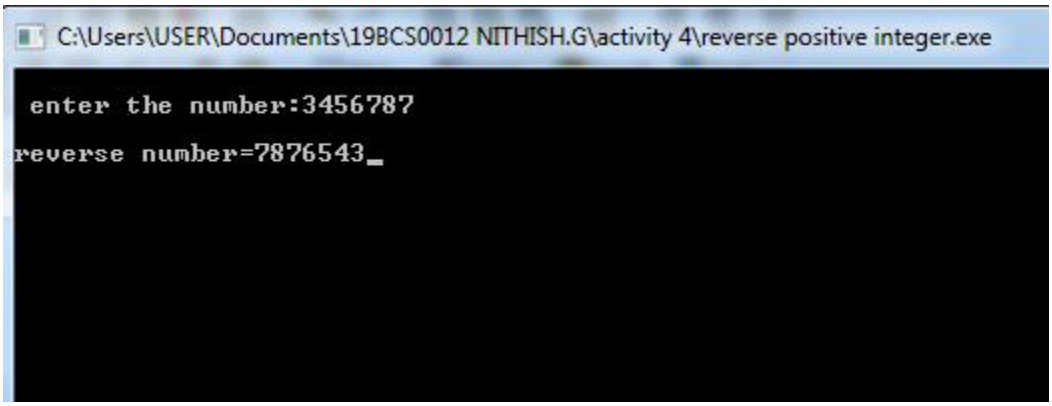
```
    scanf("%d",&n);
    printf("fibanocci series :0 1 ");
    for (i=1;i<=n-2;i++)
    {
       c=a+b;
       a=b;
       b=c;
       printf("%d\,",c);
       }
       getch();
       }
```



5.Reverse positive integer

```
#include<stdio.h>
void main()
{
    int n,r,rev=0;
```

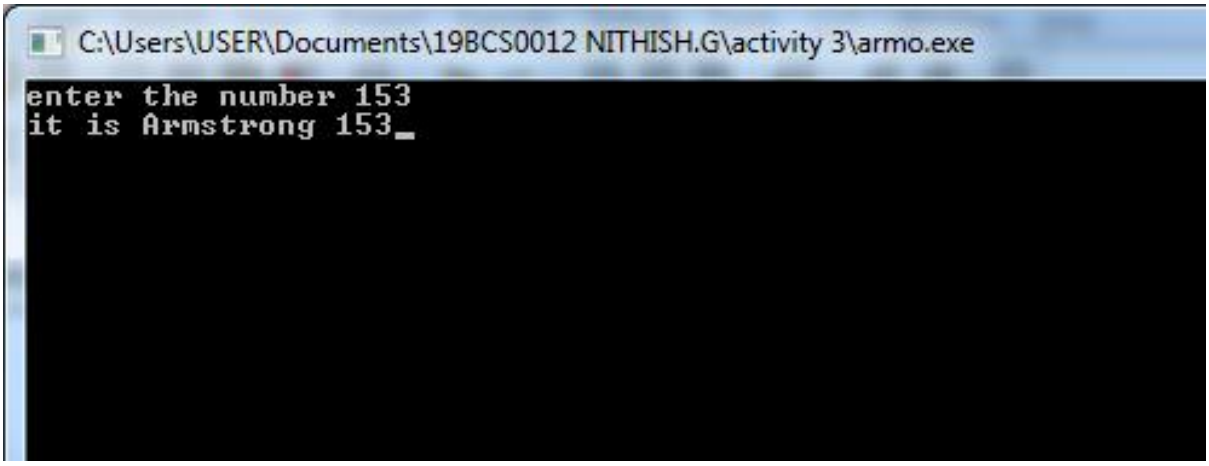
```
printf("\n enter the number:");
scanf("%d",&n);
while(n!=0)
{
        r=n%10;
        rev=rev*10+r;
        n=n/10;
        }
        printf("\nreverse number=%d",rev);
        getch();
        }
```



6. Armstrong

```
#include<stdio.h>
#include<conio.h>
```

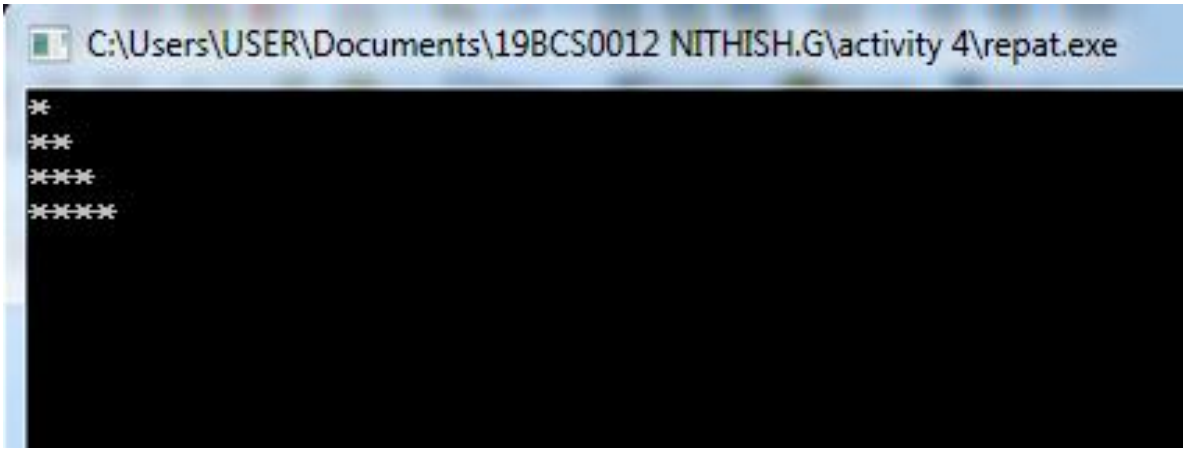
```
void main()
{
    int n,all,div10,rem10,againdiv10,againrem10;
    printf("enter the number ");
    scanf("%d",&n);
    div10=n/10;
    rem10=n%10;
    rem10=rem10*rem10*rem10;
    againdiv10=div10/10;
    againrem10=div10%10;
   againrem10=againrem10*againrem10*againrem10;
     againdiv10= againdiv10* againdiv10*againdiv10;
    all=rem10+againrem10+ againdiv10;
    if(n==all)
    printf("it is Armstrong %d",all);
        else
        printf("it is not Armstrong ");

    getch();
    }
```



5.Pattern

```
#include<stdio.h>
#include<conio.h>
void main()
{
    int i,j;

        for(i=1;i<=5;i++)
        {
                    for(j=i;j<=i;j++)
                    {
                                printf("*");
                    }
                    printf("\n");
```

```
}
    getch();
                    }
```


C:\Users\USER\Documents\19BCS0012 NITHISH.G\activity 4\repat.exe
*
**
***
****