C q1.c > ...

```c
1  /*                    Name: PRINCE MAURYA
2          Roll no.:21D80005          Mobile no.:9453122989          */
3
4  #include<stdio.h>
5  int main(){
6  int inp1,temp,orinumb,sum=0;
7  printf("Enter the number : ");
8  scanf("%d",&inp1);
9      orinumb=inp1;
10 while (inp1!=0){
11     temp=inp1%10;
12     sum = sum*10 +temp;
13     inp1=inp1/10;
14 }
15     if(orinumb==sum){
16         printf("%d is palindrome",orinumb);
17     }
18     else{
19         printf("%d is not palindrome.",orinumb);
20     }
21     return 0;
22 }
23
24
```

AB\Assi 3> c
        > cd "c:\Users\princ\OneDrive - NIT Durgapur\CS
C01\CSS 51 LAB\Assi 3\" ; if ($?) { gcc q1.c -o q1 } ; i
f ($?) { .\q1 }
Enter the number : 122221
122221 is palindrome
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\CSS 51 L
AB\Assi 3> ▮

```c
/*              Name: PRINCE MAURYA
        |       Roll no.:21D80005          Mobile no.:9453122989       */

#include<stdio.h>
int main(){
    int inp1,inp2,a,temp,sum,rmdr,b,fact;
    printf("Enter first number :");
    scanf("%d",&inp1);
    printf("Enter second number :");
    scanf("%d",&inp2);
    printf("Strong numbers between %d and %d are : ",inp1,inp2);
    for(a=inp1;a<=inp2;a++){
        temp=a;
        sum=0;
        while(temp!=0){
            fact=1;
            rmdr=temp%10;
            for(b=rmdr;b>=1;b--){
                fact = fact*b;
            }
            sum = sum+fact;
            temp=temp/10;
        }
        if(sum==a){
            printf("%d, ",sum);
        }
    }
    return 0;
}
```

```
AB\Assi 3> c
        > cd "c:\Users\princ\OneDrive - NIT Durgapur\CS
C01\CSS 51 LAB\Assi 3\" ; if ($?) { gcc q2.c -o q2 } ; i
f ($?) { .\q2 }
Enter first number :1
Enter second number :1000
Strong numbers between 1 and 1000 are : 1, 2, 145,
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\CSS 51 L
AB\Assi 3>
```

```c
/*              Name: PRINCE MAURYA
       |    Roll no.:21D80005        Mobile no.:9453122989        */

#include<stdio.h>
int main(){
    int inp1,inp2,a,armnum,b,cub;
    printf("The first no is : ");
    scanf("%d", &inp1);
    printf("The last no is : ");
    scanf("%d", &inp2);
    printf("Armstrong numbers between %d and %d are : ",inp1,
    inp2);
    for(a=inp1;a<=inp2;a++){
            armnum = 0;
            b=a;
            while(b>0){
            cub=b%10;
            armnum=armnum+cub*cub*cub;
            b=b/10;
            }
        if(armnum == a){
            printf("%d, ",armnum);
        }
    }
    return 0;
}
```

Terminal:

```
AB\Assi 3> c
        > cd "c:\Users\princ\OneDrive - NIT Durgapur\CS
C01\CSS 51 LAB\Assi 3\" ; if ($?) { gcc q3.c -o q3 } ; i
f ($?) { .\q3 }
The first no is : 100
The last no is : 500
Armstrong numbers between 100 and 500 are : 153, 370, 37
1, 407,
PS C:\Users\princ\OneDrive - NIT Durgapur\CSC01\CSS 51 L
AB\Assi 3>
```

```c
/*              Name: PRINCE MAURYA
            Roll no.:21D80005        Mobile no.:9453122989        */

#include<stdio.h>
int main(){
    int inp1,inp2,temp,i,sum;
    printf("Enter first number : ");
    scanf("%d",&inp1);
    printf("Enter last number : ");
    scanf("%d",&inp2);
    printf("Perfect numbers between %d and %d are : ",inp1,inp2)
    ;
    for(temp= inp1; temp<=inp2;temp++){
        sum=0;
        for(i=1;i<=temp;i++){
            if(temp%i==0){
                sum =sum+i;
            }
        }
        if((sum/2)==temp){
            printf("%d, ",temp);
        }
    }
    return 0;
}
```