Wap to use goto statements to act as loop

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        int i=0,num;
        clrscr();
        printf("Enter number");
        scanf("%d",&num);
        check:
                if(i>=num)
                        goto stop;
                else
                {
                        i++;
                        printf("\n%d",i);
                        goto check;
                }
        stop:
                printf("\n this is end");
        getch();
}
```

WAP to read m an n from user then calculate (m power n) without library built in functions

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        int i,m,n,result=1;
        clrscr();
        printf("\n Enter base m and power n");
        scanf("%d%d",&m,&n);
        for(i=1;i<=n;i++)
        {
                result=result*m;
        }
        printf("\n the result is: %d",result);
        getch();
}
```

WAP program to read a numbers from keyboard and check palindrome

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        long n,num,rev=0;
        int digit;
        clrscr();
        printf("\n Enter to be checked");
        scanf("%d",&num);
        n=num;
        do
        {
                digit=num%10;
                rev=rev*10+digit;
                num/=10;
        }
        while(num!=0);

        if(n==rev)
                printf("\n is palindrome");
        else
                printf("Not palindrome");

        getch();
}
```

WAP to convert decimal number to binary numbers

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        int decinum,sum=0,q,r,i=1;
        clrscr();
        printf("\n Enter to be checked");
        scanf("%d",&decinum);
        do
        {
                q=decinum/2;
                r=decinum%2;
                decinum=q;
                sum+=r*i; //to reorder the binary bits
                i*=10;
        }
        while(q!=0);

        printf("\n correspond\t%d",sum);
        getch();
}
```

WAP to print in reverse digits from user (1234 to 4321)

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        long num,rev=0;
        int digit;
        clrscr();
        printf("\n Enter to be checked");
        scanf("%ld",&num);
        while(num!=0)
        {
                digit=num%10;
                rev=rev*10+digit;
                num/=10;
        }
        printf("\n Reversed:\t%ld",rev);
        getch();
}
```

WAP to calculate sum of digits of given integer

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        int num,r,q,sum=0;
        clrscr();
        printf("\n Enter to be checked");
        scanf("%d",&num);
        while(q!=0)
        {
                q=num/10;
                r=num%10;
                num=q;
                sum+=r;
        }
        printf("\n sum of digits\t%d",sum);
        getch();
}
```