

1.

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    char x;
    float no1,no2;
    printf("Enter two numbers:");
    scanf("%f %f",&no1,&no2);
    printf("1.+\\n2.-\\n3.*\\n4./\\n");
    printf("Please enter your choice:");
    scanf("%s",&x);
    switch(x)
    {
        case '+':printf("sum of your numbers is %.2f\\n",no1+no2);break;
        case '-':printf("difference of your numbers is %.2f\\n",no1-no2);break;
        case '*':printf("product of your numbers is %.2f\\n",no1*no2);break;
        case '/':printf("division of your numbers is %.2f\\n",no1/no2);break;
        default :printf("invalid");
    }
}
```

WHILE LOOP

1.

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int counter=1,oddcount=0,evencount=0,no;
    while(counter<=10)
    {
        printf("Enter the number:");
        scanf("%d",&no);
        if(no%2==0)
            evencount=evencount+1;
        else
            oddcount=oddcount+1;
        counter++;
    }
    printf("The total odd count is %d \\n",oddcount);
    printf("the total even count is %d",evencount);
}
```

```
}
```

2.

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int oddcount=0,evencount=0,no;
    while(no!=-99)
    {
        printf("Enter the number:");
        scanf("%d",&no);
        if(no%2==0 && no!=-99)
            evencount=evencount+1;
        if(no%2==1 && no!=-99)
            oddcount=oddcount+1;
    }
    printf("The total odd count is %d \n",oddcount);
    printf("the total even count is %d",evencount);
}
```

DO WHILE LOOP

1.

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int counter=1,oddcount=0,evencount=0,no;
    do
    {
        printf("Enter the number:");
        scanf("%d",&no);
        if(no%2==0)
            evencount=evencount+1;
        else
            oddcount=oddcount+1;
        counter++;
    }while(counter<=10);
    printf("The total odd count is %d \n",oddcount);
}
```

```
printf("the total even count is %d",evencount);  
}
```

2.

```
#include <stdio.h>  
#include <stdlib.h>  
int main()  
{  
int oddcount=0,evencount=0,no;  
do  
{  
printf("Enter the number:");  
scanf("%d",&no);  
if(no%2==0 && no!=-99)  
evencount=evencount+1;  
if(no%2==1 && no!=-99)  
oddcount=oddcount+1;  
}while(no!=-99);  
printf("The total odd count is %d \n",oddcount);  
printf("the total even count is %d",evencount);  
}
```

FOR LOOP

1.

```
#include <stdio.h>  
#include <stdlib.h>  
int main()  
{  
float x,no,total=0,avg;  
for(x=1;x<=10;x++)  
{  
printf("enter the number:");  
scanf("%f",&no);  
total+=no;  
}  
avg=total/10;  
printf("Average value of numbers is %f ",avg);  
}
```

2.

```
int main()
{
    int x,y;
    for(x=1;x<=5;x++)
    {
        for(y=1;x>=y;y++)
        {
            printf("*");
        }
        printf("\n");
    }
}
```