

```
1 //finding whether number is even or odd
2 #include<stdio.h>
3 int main()
4 {
5     int a;
6     printf("enter a number :");
7     scanf("%d",&a);
8     if(a%2==0)
9         printf("the given number is even number");
10    else
11        printf("the given number is odd number");
12    return 0;
13 }
```

```
1 #include<stdio.h>
2 void main(){
3     int x,y,i,n,r;
4     x=0,y=0;
5     printf("Enter a number :");
6     scanf("%d",&n);
7     for(i=1;i<=n;i++)
8     { if (i%2!=0)
9     {
10         x=x+i;
11     }
12 }
13 for(i=1;i<=n;i++)
14 { if (i%2==0)
15 {
16     y=y+i;
17 }
18 }
19 r=x-y;
20 printf("%d",r);
21 }
```

```
1 //sumation of 2^2+4^2+6^2+.....
2 #include<stdio.h>
3 int main(){
4     int x,i,n;
5     printf("enter a num:");
6     scanf("%d",&n);
7     for (i=2;i<=n;i+=2)
8     {
9         x=x+pow(i,2);
10    }
11    printf("%d",x);
12 }
```

```
1 //finding whether the number is positive or negative
2 #include<stdio.h>
3 void main(){
4     int a;
5     printf("Enter the value of a:");
6     scanf("%d",&a);
7     if(a>=0) {
8         printf("%d is a positive number",a);
9     } else if(a<0) {
10        printf("%d is a negative number",a);
11    }
12    else {
13        printf("type only numerical values");
14    }
15 }
```

```
(globals)
Classes Debug [*] altr sum.c even r odd.c findin +ve or -ve.c 3d_array.c array.c factorial.c sqr sum.c [*] table.c tables.c swapping.cpp swaping_withouttem.c swap
1 //table
2 #include<stdio.h>
3 #include<math.h>
4 void main(){
5     int i,a;
6     printf("enter the number :");
7     scanf("%d",&a);
8     for (i=1;i<=10;i++)
9     {
10         printf("\n %d*%d=%d",a,i,a*i);
11     }
12 }
```

```
(globals) v v
Project Classes Debug [*] altr sum.c even r odd.c findin +ve or -ve.c 3d_array.c array.c factorial.c sqr sum.c [*] table.c [*] tables.c swapping.cpp swaping_withouttem.c swaping_temp.c
1 // Range of tables
2 #include<stdio.h>
3 #include<math.h>
4 void main(){
5     int i,a,j;
6     printf("enter the number :");
7     scanf("%d",&a);
8     for (j=1;j<=a;j++){
9         for (i=1;i<=10;i++)
10    {
11        printf("\n %d*%d=%d",j,i,i*j);
12    }
13    printf("\n");
14 }
15 }
```

(globals)

Debug

```
1 //swapping of two number with out temp
2 #include<stdio.h>
3 void main(){
4     int a,b;
5     printf("Enter the values of a and b:");
6     scanf("%d %d",&a,&b);
7     a=a+b;
8     b=a-b;
9     a=a-b;
10    printf("After swaping %d and %d",a,b);
11 }
```

```
ug [*] altr sum.c even r odd.c findin +ve or -ve.c 3d_array.c array.c factorial.c sqr sum.c [*] table.c tables.c [*] swapping.cpp swaping_withouttemp.c
```

```
1 //swapping of two 2 numbers with temp
2 #include<stdio.h>
3 void main(){
4     int a,b;
5     printf("Enter the values of a and b:");
6     scanf("%d %d",&a,&b);
7     c=a;
8     a=b;
9     b=c;
10    printf("After swaping %d and %d",a,b);|
11 }
```

```
[*] altr sum.c even r odd.c findin +ve or -ve.c 3d_array.c array.c factorial.c sqr sum.c [*] table.c tables.c [*] swapping.cpp swaping_withouttem.c [*] swa
```

```
1 //swapping of 3 numbers without temp
2 #include<stdio.h>
3 void main(){
4     int a,b,c;
5     printf("Enter the values of a, b and c:");
6     scanf("%d %d %d",&a,&b,&c);
7     a=a+b+c;
8     c=a-b-c;
9     b=a-b-c;
10    a=a-b-c;
11    printf("After swaping %d %d %d",a,b,c);
12 }
```

```
1 //sumation of digits out
2 #include<stdio.h>
3 int main(){
4     int n,digit,s;
5     printf("enter the number:");
6     scanf("%d",&n);
7     printf("\n digits in %d are:",n);
8     while(n>0)
9     {
10         digit=n%10;
11         s=s+digit;|
12         n/=10;
13     }
14     printf("%d",s);
15     return 0;
16 }
```

Debug [\*] altr sum.c even r odd.c findin +ve or -ve.c 3d\_array.c array.c factorial.c [\*] sqr sum.c [\*] table.c tables.c

[\*] swaping\_3num.c swaping with 3rd var.c [\*] sum of digit

```
1 //sumation of 1^2+2^2+3^2+....+n^2
2 #include<stdio.h>
3 int main(){
4     int x,i,n;
5     printf("enter a num:");
6     scanf("%d",&n);
7     for (i=1;i<=n;i++)
8     {
9         x=x+(i*i);
10    }
11    printf("%d",x);
12 }
```

```
1 //sumation of 1^3+2^3+3^3+.....+n^3
2 #include<stdio.h>
3 int main(){
4     int x,i,n;
5     printf("enter a num:");
6     scanf("%d",&n);
7     for (i=1;i<=n;i++)
8     {
9         x=x+(i*i*i);
10    }
11    printf("%d",x);
12 }
```

```
1 //1+2-3+4-5.....n
2 #include<stdio.h>
3 void main(){
4     int s=0,sign=1,i,n;
5     printf("enter the value:");
6     scanf("%d",&i);
7     for(i=1;i<=n;i++)
8     {
9         s=s+sign*i;
10        sign=-sign;
11    }
12    printf("%d",s);
13 }
```