main.c

```c
1  // Online C compiler to run C program online
2  #include <stdio.h>
3
4  void main()
5  {
6      int n, t, sum = 0, remainder;
7
8      printf("Enter an integer\n");
9      scanf("%d", &n);
10
11     t = n;
12
13     while (t != 0)
14     {
15         remainder = t % 10;
16         sum       = sum + remainder;
17         t         = t / 10;
18     }
19
20     printf("Sum of digits of %d = %d\n", n, sum);
21 }
```

Output

/tmp/CyCyMvtYbA.o

Enter an integer
4567
Sum of digits of 4567 = 22

```
// Online C compiler to run C program online

#include <stdio.h>


  void main()
  {
  int a[10],i,sum=0;
     printf("Enter upto 5 Values: ");
     for(i=0; i<5; i++)
        scanf("%d",&a[i]);
     for(i=0; i<5; i++)
     {
        if(a[i]%2==0)
           sum=sum+a[i];
     }
     printf("Total Sum of Even values is: %d ",sum);


}
```

/tmp/S6Qwfcxnvb.o
Enter upto 5 Values: 5 6 8 3 1
Total Sum of Even values is: 14

```c
// Online C compiler to run C program online
#include <stdio.h>


  void main()
  {
    char s[1000];
     int i,words=0;

     printf("Enter  the string : ");
     gets(s);

     for(i=0;s[i];i++)
      {
          if(s[i]==32)
            words++;

      }
     if(i>0)
       words++;



     printf("no of words in string = %d\n",words);

  }
```

```c
#include <stdio.h>


  void main()
{

int a[50],i,n,large,small;
    printf("How many elements:");
    scanf("%d",&n);
    printf("Enter the Array:");

    for(i=0;i<n;++i)
        scanf("%d",&a[i]);

    large=small=a[0];
    for(i=1;i<n;++i)
    {
        if(a[i]>large)
            large=a[i];
        if(a[i]<small)
            small=a[i];
    }

    printf("The largest element is %d",large);
    printf("\nThe smallest element is %d",small);
```

Output

How many elements:4
Enter the Array:1 16 5 34 7
The largest element is 34
The smallest element is 1

```c
    void main()
    {

    int i, j, N,count;
    printf("Enter N: ");
    scanf("%d", &N);

    count = N * 2 - 1;

    for(i=1; i<=count; i++)
        {
            for(j=1; j<=count; j++)
            {
                if(j==i || (j==count - i + 1))
                {
                    printf("*");
                }
                else
                {
                    printf(" ");
                }
            }

            printf("\n");
        }

    }
```

```
/tmp/S6Qwfcxnvb.o
Enter N: 6
 *             *
   *         *
     *     *
       * *
        *
       * *
     *     *
   *         *
 *             *
```

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