1:-

```c
#include<stdio.h>
int main(){
    int a,b;
    printf("Enter the number:-\n");
    scanf("%d",&a);
    b=a%10;
    printf("The unit digit of a given number:%d",b);
return 0;
}
```
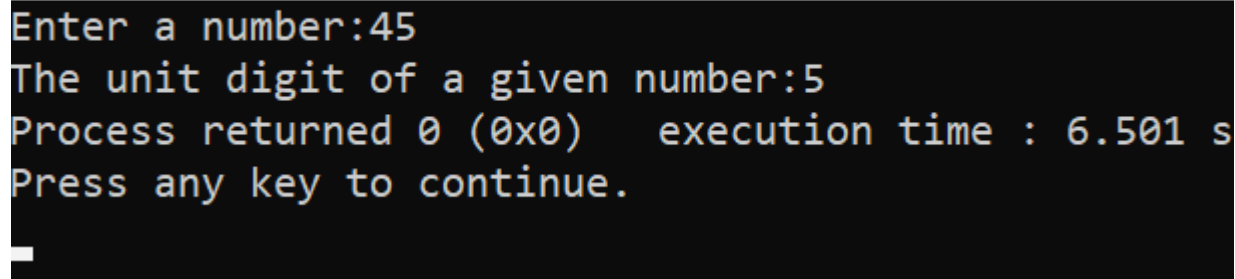
C:\Users\MADHAV\Desktop\assignment_2.exe

```
Enter a number:45
The unit digit of a given number:5
Process returned 0 (0x0)    execution time : 6.501 s
Press any key to continue.
```

2:-

```c
#include<stdio.h>
int main(){
    int a;
    printf("Enter a number:");
    scanf("%d,",&a);
    printf("The resulting value:%d",a/10);
  return 0;
```

}

```
Enter a number:456
The resulting value:45
Process returned 0 (0x0)   execution time : 2.654 s
Press any key to continue.
```

3:-

```c
#include<stdio.h>

int main(){

    int a,b,temp;

    printf("Enter two numbers:");

    scanf("%d\n%d",&a,&b);

    printf("A=%d and B=%d\n",a,b);

    temp=a;

    a=b;

    b=temp;

    printf("After swapping A=%d and B=%d",a,b);

    return 0;

}
```

```
Enter two numbers:45
12
A=45 and B=12
After swapping A=12 and B=45
Process returned 0 (0x0)   execution time : 7.975 s
Press any key to continue.
```

4:-

```c
#include<stdio.h>

int main(){
    int a,b;
    printf("Enter two numbers:");
    scanf("%d\n%d",&a,&b);
    printf("A=%d and B=%d\n",a,b);
    a=a+b;
    b=a-b;
    a=a-b;
    printf("After swapping A=%d and B=%d",a,b);
    return 0;
}
```
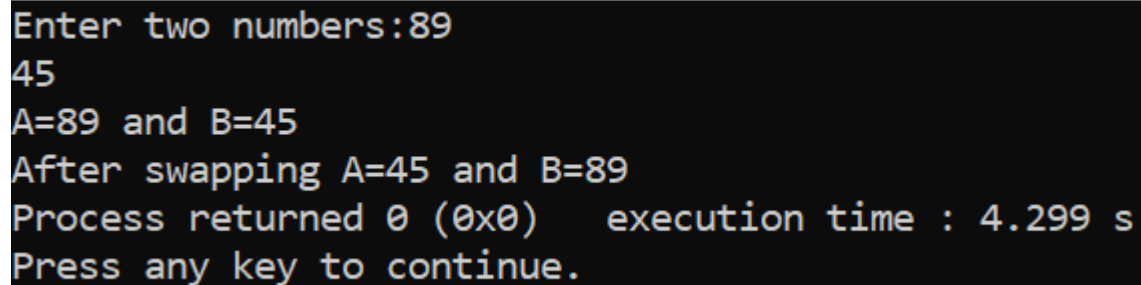
C:\Users\MADHAV\Desktop\assignment_2.exe

```
Enter two numbers:89
45
A=89 and B=45
After swapping A=45 and B=89
Process returned 0 (0x0)   execution time : 4.299 s
Press any key to continue.
```

5:-

```c
#include<stdio.h>

int main(){
    int a,b,c,d,e;
    printf("Enter the three digit number:-\n");
    scanf("%d",&a);
```
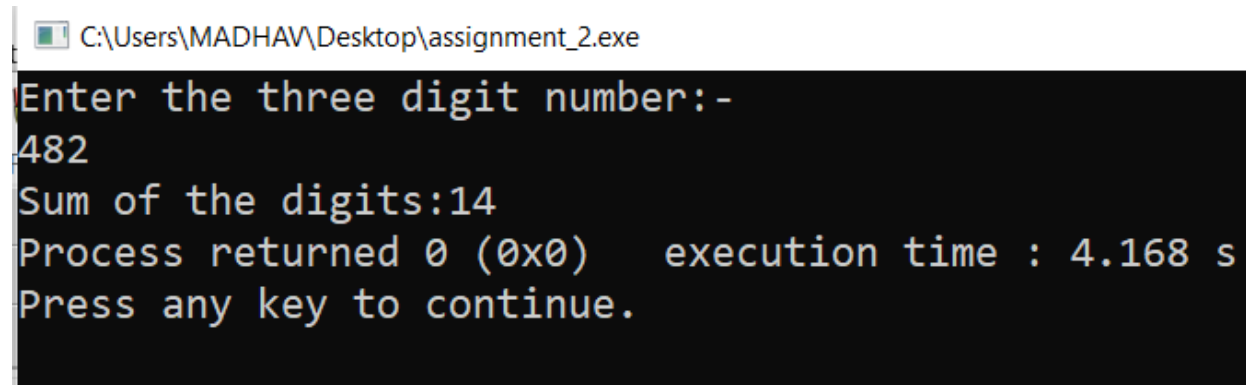
```
    b=a/100;

    c=a%100;

    d=c/10;

    e=c%10;

    printf("Sum of the digits:%d",b+d+e);

return 0;

}
```



```
C:\Users\MADHAV\Desktop\assignment_2.exe
Enter the three digit number:-
482
Sum of the digits:14
Process returned 0 (0x0)    execution time : 4.168 s
Press any key to continue.
```

6:-

```
#include<stdio.h>

int main(){

    char m;

    printf("Enter the character:");

    scanf("%c",&m);

    printf("The ASCII code of %c is %d",m,m);

return 0;

}
```

```
Enter the character:b
The ASCII code of b is 98
Process returned 0 (0x0)    execution time : 6.195 s
Press any key to continue.
```

7:-

```c
#include<stdio.h>

int main(){

        int a=7 ,count=0,result=0;

    printf("Enter a number:\n");

            scanf("%d",&a);

        while (a!=0)

        {

                result=a&1;

                count++;

                if(result==1){

                        printf("The position of first 1 in LSB is:%d",count);

                        break;

                }

                a=a>>1;

        }

        return 0;

}
```

```
Enter a number:
9
The position of first 1 in LSB is:1
Process returned 0 (0x0)    execution time : 4.541 s
Press any key to continue.
```

8:-

```c
#include<stdio.h>
int main()
{
int x;
   printf("enter a number:");
   scanf("%d",&x);
   int result=x&1;
    if(result==0)
      printf("even");
      else
      printf("odd");
  return 0;
  }
```

```
enter a number:125
odd
Process returned 0 (0x0)    execution time : 4.032 s
Press any key to continue.
```

9:-

```c
#include<stdio.h>
int main(){
    int a , b ,c,d;
    int w;
    char x;
    float y;
    double z;
    a=sizeof(x);
    b=sizeof(y);
    c=sizeof(z);
    d=sizeof(w);
    printf("Size of an char variable:%d\nSize of an float variable:%d\nSize of an double variable:%d\nSize of an int variable:%d",a,b,c,d);
    return 0;
}
```

C:\Users\MADHAV\Desktop\assignment_2.exe

```
Size of an char variable:1
Size of an float variable:4
Size of an double variable:8
Size of an int variable:4
Process returned 0 (0x0)   execution time : 0.565 s
Press any key to continue.
```
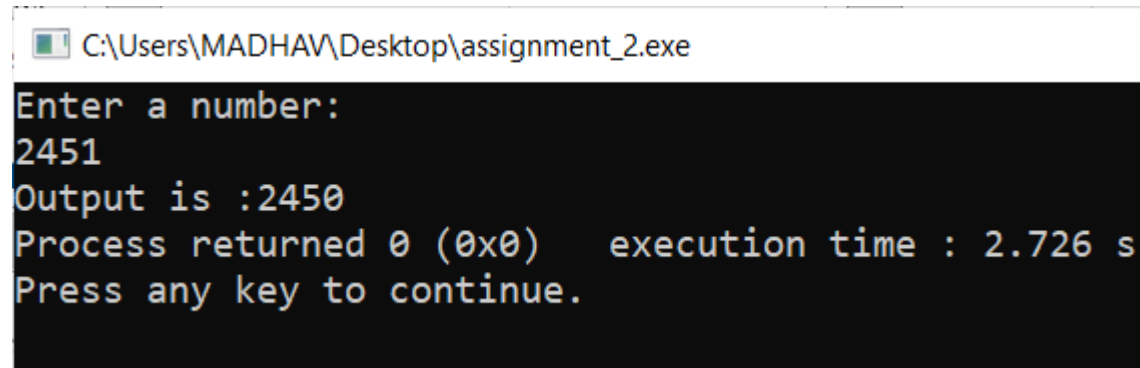
10:-

```c
#include<stdio.h>
int main(){
    int a,b;
    printf("Enter a number:\n");
```

```c
    scanf("%d",&a);

    b=a%10;

    printf("Output is :%d",a-b);

return 0;

}
```


11:-

```c
#include<stdio.h>

int main(){

    int a,b,c;

    printf("Enter a Number:\n");

    scanf("%d",&a);

    printf("Enter a Digit:\n");

    scanf("%d",&b);

    c=a*10;

    printf("Resulting Number is :%d",b+c);

return 0;

}
```

```
Enter a Number:
59
Enter a Digit:
4
Resulting Number is :594
Process returned 0 (0x0)    execution time : 7.445 s
Press any key to continue.
```

12:-

```c
#include<stdio.h>

int main(){

    float a,b=76.23;

    printf("Enter the Amount:\n");

    scanf("%f",&a);

    printf("The Amount in Rupees is:%.2f\n The Amount in Dollar is:%.2f",a,a/b);

return 0;

}
```

```
Enter the Amount:
4562
The Amount in Rupees is:4562.00
 The Amount in Dollar is:59.85
Process returned 0 (0x0)    execution time : 4.371 s
Press any key to continue.
```

13:-

```c
#include<stdio.h>

 int main(){

    int x,a;
```

```c
    printf("enter the three digit number:\n");

    scanf("%d",&x);

    a=x%10;

    x=x/10;

    printf("output:%d%d",a,x);

    return 0;

}
```

C:\Users\MADHAV\Desktop\assignment_2.exe

```
enter the three digit number:
789
output:978
Process returned 0 (0x0)   execution time : 4.983 s
Press any key to continue.
```