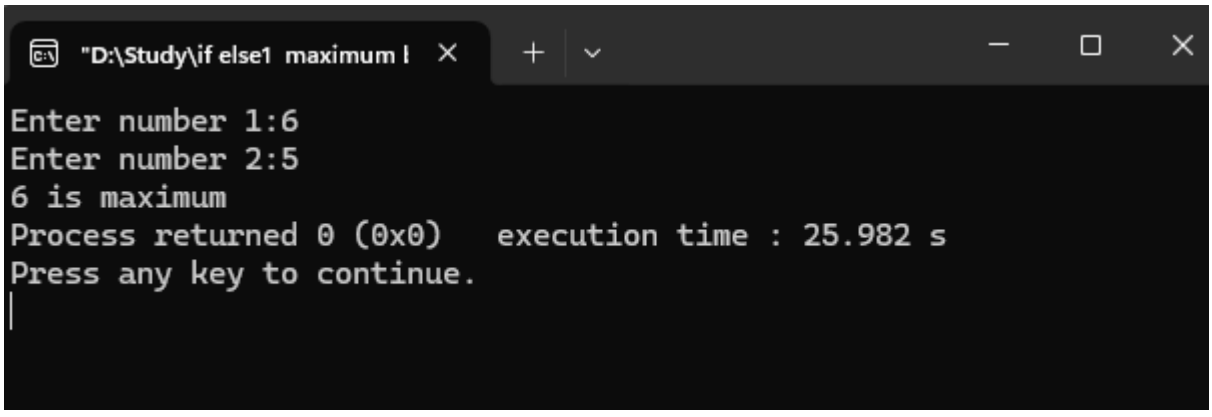
Problem - 1: Write a C program to find maximum between two numbers.

Source Code :

```
#include<stdio.h>
int main()
{
   int a,b;

   printf("Enter number 1:");
   scanf("%d",&a);

   printf("Enter number 2:");
   scanf("%d%",&b);

    if(a>b)
   {
      printf("%d is maximum",a);
    }
 Else
   {
       printf("%d is maximum",b);
   }
   return 0;
}
```

Output :

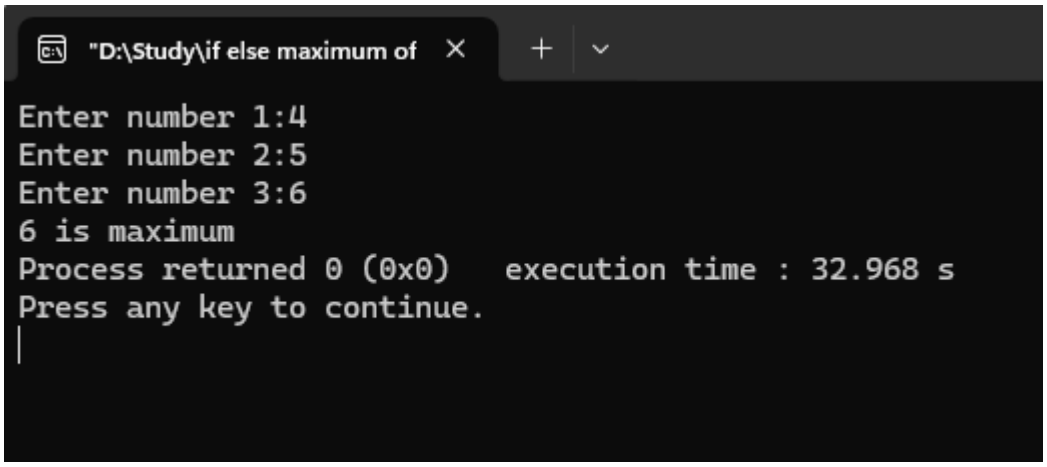


Problem - 2: Write a C program to find maximum between three numbers.

Source Code:

```
#include<stdio.h>
int main()
{
   int a,b,c;
   printf("Enter number 1:");
   scanf("%d",&a);
   printf("Enter number 2:");
   scanf("%d%",&b);
   printf("Enter number 3:");
   scanf("%d%",&c);
   if(a>b){
      printf("%d is maximum",a);
   }
   else if(b>c){
       printf("%d is maximum",b);
   }
   else{
      printf("%d is maximum",c);
   }
   return 0;
}
```

Output :

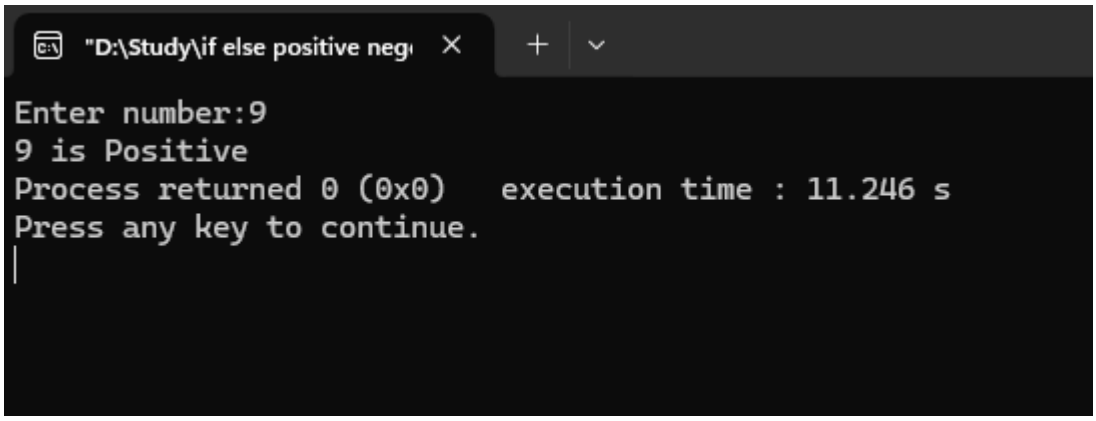


Problem - 3: Write a C program to check whether a number is negative, positive or zero.

Source Code :

```
#include<stdio.h>
int main()
{
   int a;
   printf("Enter number:");
   scanf("%d",&a);
   if(a>0){
      printf("%d is Positive",a);
   }
   else if(a<0){
       printf("%d is Negetive",a);
   }
   else{
      printf("%d is ZERO",a);
   }
   return 0;
}
```

Output :

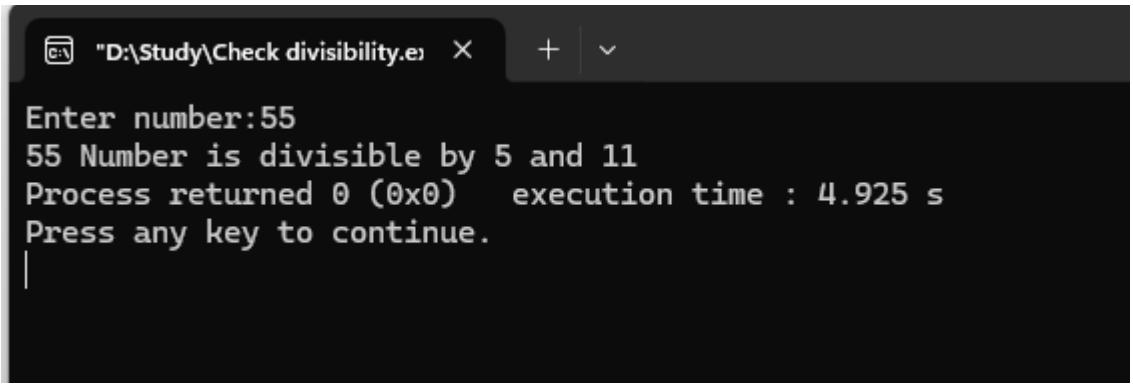


Problem - 4: Write a C program to check whether a number is divisible by 5 and 11 or not.

Source Code :

```
#include<stdio.h>

int main()

{

   int a;

   printf("Enter number:");

   scanf("%d",&a);

   if(a%5==0 && a%11==0){

      printf("%d Number is divisible by 5 and 11",a);

   }

   else{

      printf("%d Number is not divisible by 5 and 11",a);

   }

   return 0;

}
```

Output :

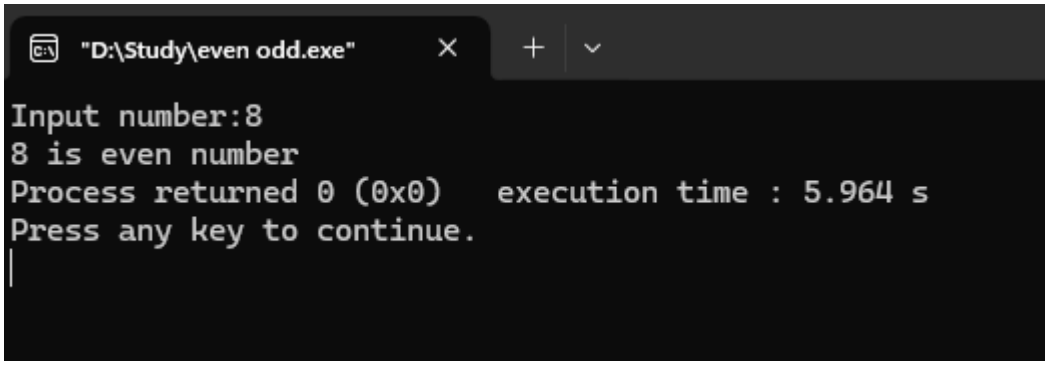


Problem - 5: Write a C program to check whether a number is even or odd.

Source Code :

```
#include<stdio.h>

int main()

{

   int a;

   printf("Input number:");

   scanf("%d",&a);

   if(a%2==0){

      printf("%d is even number",a);

   }

   else{

      printf("%d is odd number",a);

   }

   return 0;

}
```

Output :

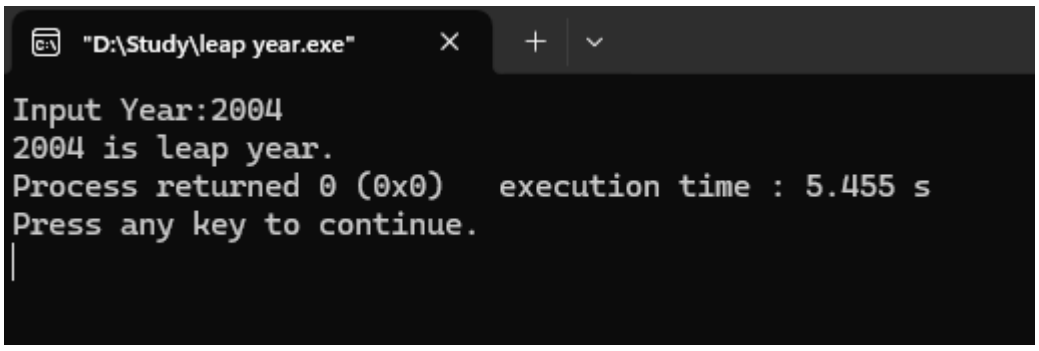


Problem - 6: Write a C program to check whether a year is leap year or not.

Source Code :

```
#include<stdio.h>
int main()
{
   int a;
   printf("Input Year:");
   scanf("%d",&a);
   if(a%4==0 && a%100!=0){
      printf("%d is leap year.",a);
   }
   else{
      printf("%d is not leap year.",a);
   }
   return 0;
}
```

Output :

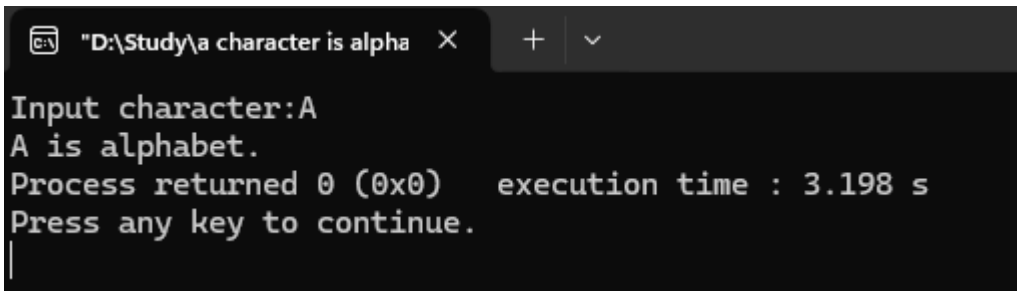


Problem - 7: Write a C program to check whether a character is alphabet or not.

Source Code :

```
#include<stdio.h>
int main()
{
   int ch;
   printf("Input character:");
   scanf("%c",&ch);
   if((ch>='a' && ch<='z')||(ch>='A' && ch<='Z')){
      printf("%c is alphabet.",ch);
   }
   else{
      printf("%c is not alphabet.",ch);
   }
   return 0;
}
```

Output :

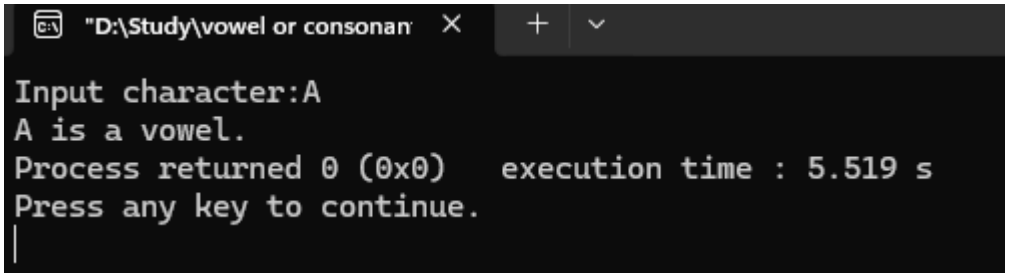


Problem – 8: Write a C program to input any alphabet and check whether it is vowel or consonant.

Source Code :

```
#include<stdio.h>
int main()
{
   int ch;
   printf("Input character:");
   scanf("%c",&ch);
   if((ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u')||(ch=='A' || ch=='E' || ch=='I' || ch=='O' || ch=='U ')){
      printf("%c is a vowel.",ch);
   }
   else{
      printf("%c is consonant.",ch);
   }
   return 0;
}
```

Output :



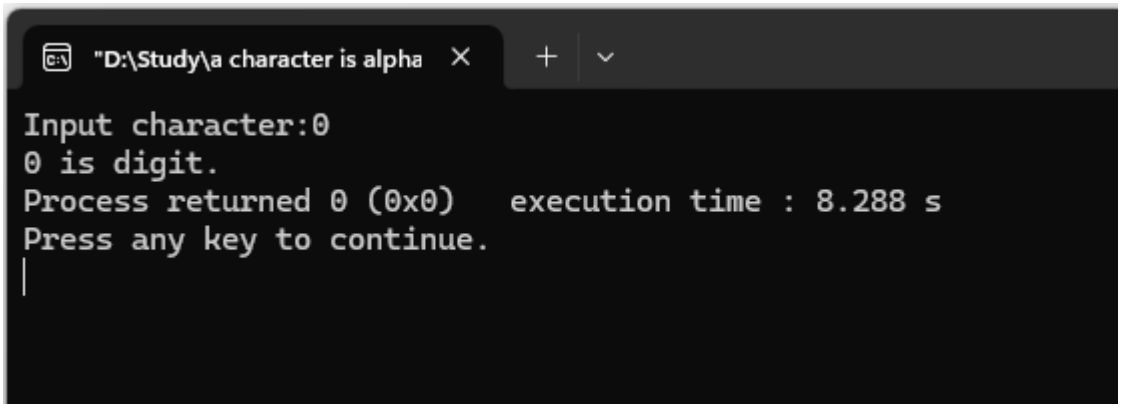
Problem - 9:

Write a C program to input any character and check whether it is alphabet, digit or special character.

Source Code :

```
#include<stdio.h>
int main()
{
   int ch;
   printf("Input character:");
   scanf("%c",&ch);
   if((ch>='a' && ch<='z')||(ch>='A' && ch<='Z')){
      printf("%c is alphabet.",ch);
   }
   else if(ch>='0' && ch<='0'){
      printf("%c is digit.",ch);
   }
   else{
       printf("%c is special character.",ch);
   }
   return 0;
}
```

Output :



Problem - 10: Write a C program to check whether a character is uppercase or lowercase alphabet.

Source Code :

```
#include<stdio.h>

int main()

{

   int ch;

   printf("Input character:");

   scanf("%c",&ch);

   if(ch>='a' && ch<='z'){

      printf("%c is lowercase  alphabet.",ch);

   }

   else{

       printf("%c is uppercase alphabet.",ch);

   }

   return 0;

}
```

Output :