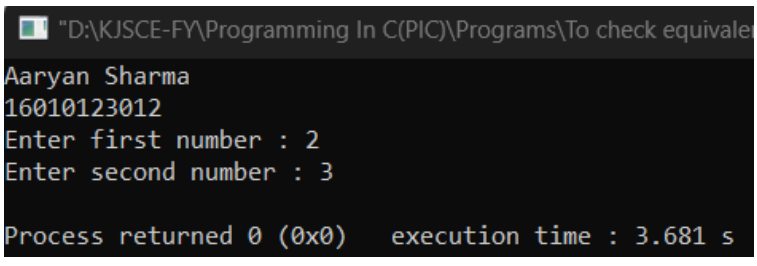
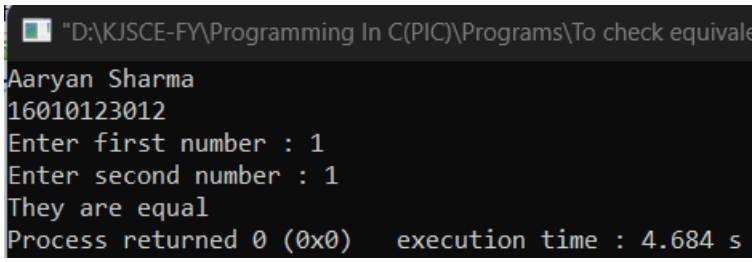
PIC

Q1

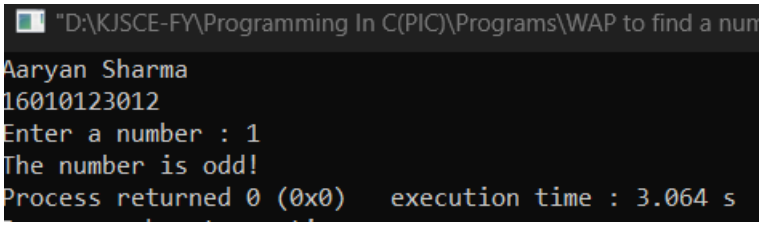
```
#include<stdio.h>
int main()
{
   printf("Aaryan Sharma\n");
   printf("16010123012\n");

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

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

   if(a==b)
   {
      printf("They are equal");
   }
   return 0;

}
```

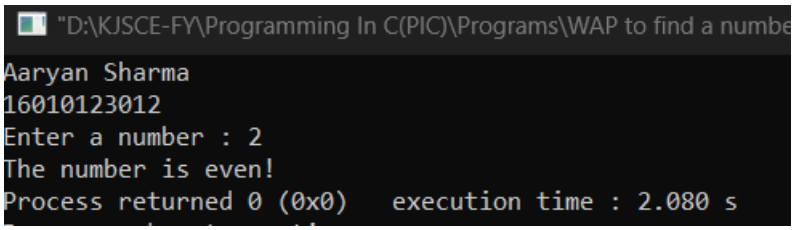




Q2

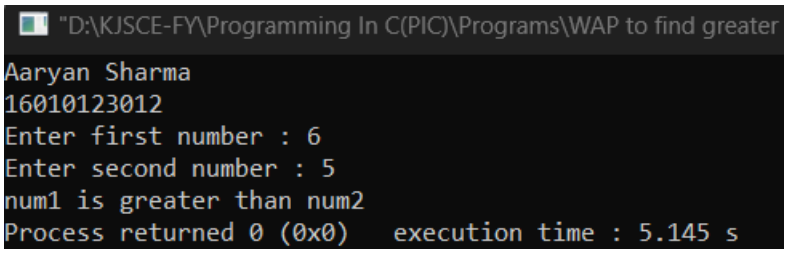
```
#include<stdio.h>
int main()
{
   printf("Aaryan Sharma\n");
   printf("16010123012\n");

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

   if(n%2==0)
   {
      printf("The number is even!");
   }
   Else
   {
      printf("The number is odd!");
   }
   return 0;
}
```

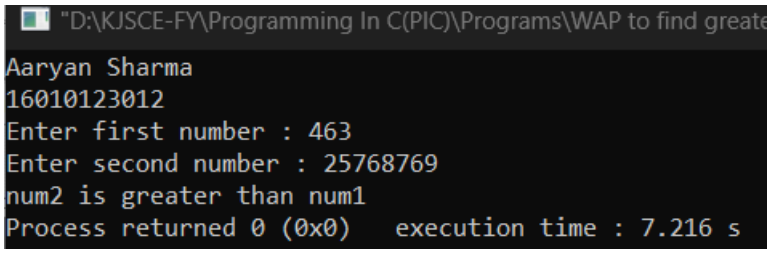




Q3

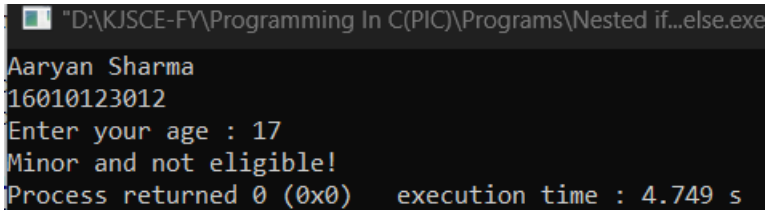
```
#include<stdio.h>
int main()
{
   printf("Aaryan Sharma\n");
   printf("16010123012\n");

 int num1,num2;
 printf("Enter first number : ");
 scanf("%d",&num1);
 printf("Enter second number : ");
 scanf("%d",&num2);

 if (num1>num2)
 {
      printf("num1 is greater than num2");
 }
 else
 {
    printf("num2 is greater than num1");
 }
 return 0;
}
```

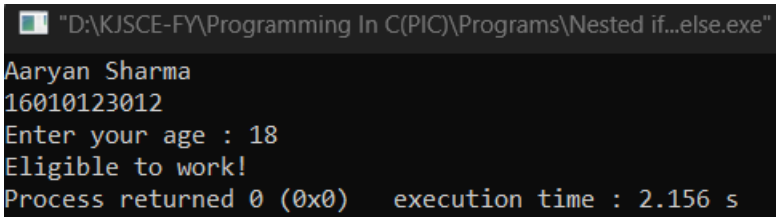


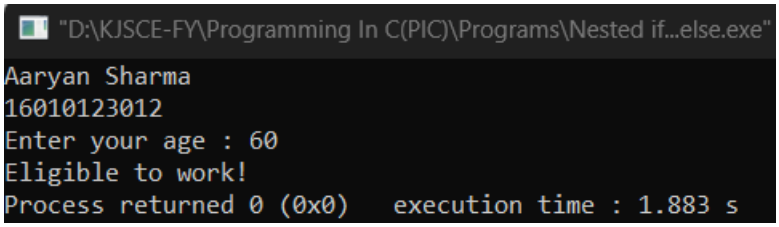


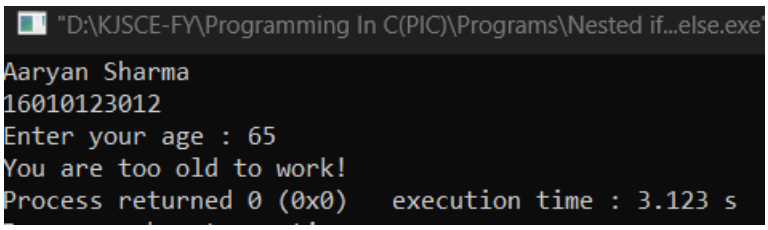
Q4

```
#include<stdio.h>
int main()
{
   printf("Aaryan Sharma\n");
   printf("16010123012\n");

   int age;
   printf("Enter your age : ");
   scanf("%d",&age);

   if (age<=60)
   {
      if(age<18)
   {
      printf("Minor and not eligible!");
   }
   else
   {
      printf("Eligible to work!");

   }
   }
   else
   {
      printf("You are too old to work!");
   }
   return 0;
}
```





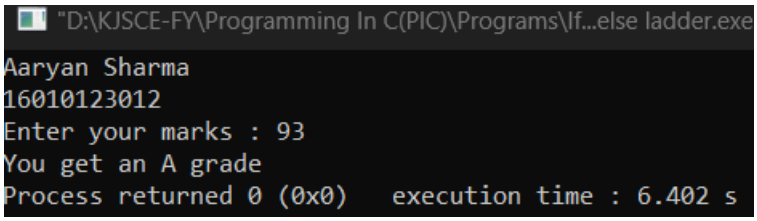


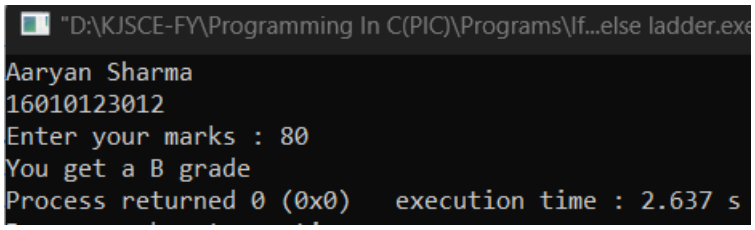


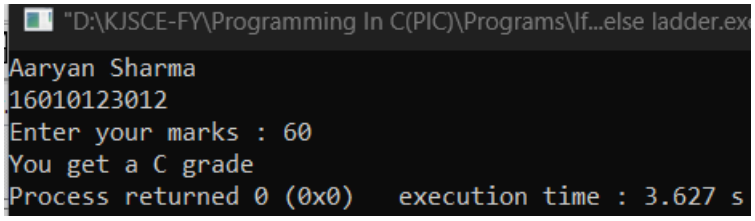
Q5

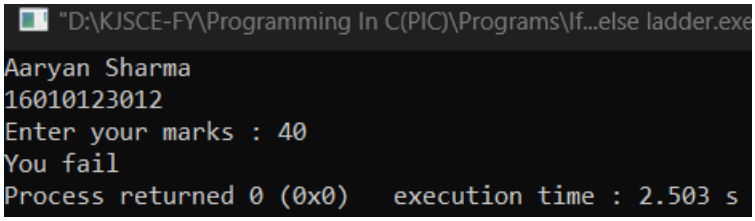
```
#include<stdio.h>
int main()
   {
      printf("Aaryan Sharma\n");
      printf("16010123012\n");

      float score;
      printf("Enter your marks : ");
      scanf("%f",&score);

      if (score>90)
      printf("You get an A grade");
      else if(score>=70 && score<90)
      printf("You get a B grade");
      else if(score>=50 && score<70)
      printf("You get a C grade");
      else
      printf("You fail");
```

```
    return 0;
}
```









Q6

```
#include<stdio.h>
int main()
{
   printf("Aaryan Sharma\n");
   printf("16010123012\n");

   float a,b,c;
   char s;

   printf("Enter the numbers:");
   scanf("%f %f",&a,&b );
```

```
    printf("Enter the operator:");
    scanf("\n%c",&s);

    switch(s)
    {
    case '+':
       c=a+b;
    printf("Addition is %f",c);
    break;
    case '-':
       c=a-b;
    printf("Subtraction is %f",c);
    break;
    case '*':
       c=a*b;
    printf("Multiplication is %f",c);
    break;
    case '/':
       c=a/b;
    printf("Division is %f",c);
    break;
    default:
    printf("Invalid Input");
    break;

    }
    return 0;
}
```

```
Aaryan Sharma
16010123012
Enter the numbers:32 687
Enter the operator:+
Addition is 719.000000
Process returned 0 (0x0)   execution time : 5.091 s
```

```
Aaryan Sharma
16010123012
Enter the numbers:23 32.4
Enter the operator:-
Subtraction is -9.400002
Process returned 0 (0x0)   execution time : 8.243 s
```

```
Aaryan Sharma
16010123012
Enter the numbers:5 9
Enter the operator:*
Multiplication is 45.000000
Process returned 0 (0x0)   execution time : 9.222 s
```

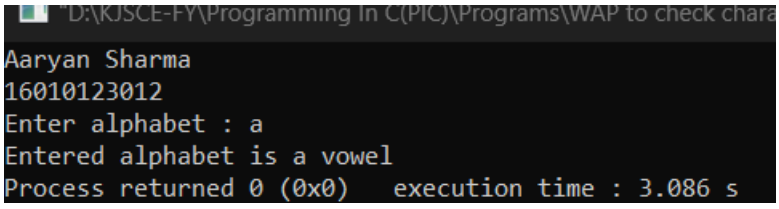
```
Aaryan Sharma
16010123012
Enter the numbers:45 4
Enter the operator:/
Division is 11.250000
Process returned 0 (0x0)   execution time : 10.914 s
```

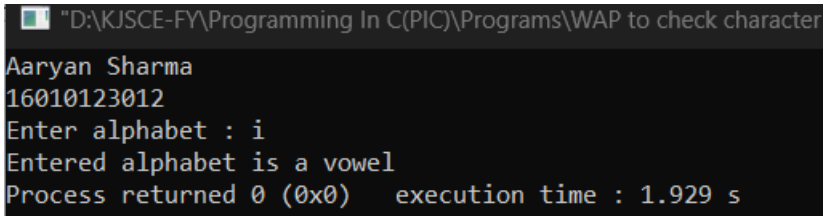
```
Aaryan Sharma
16010123012
Enter the numbers:54 98
Enter the operator:%
Invalid Input
Process returned 0 (0x0)   execution time : 11.264 s
```

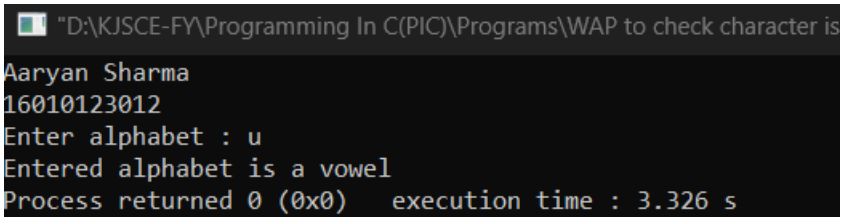
Q7

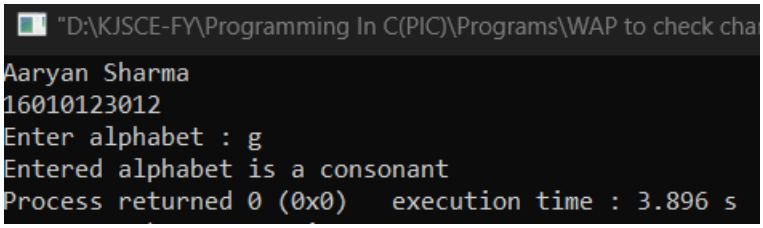
```
#include<stdio.h>
int main()
{
   printf("Aaryan Sharma\n");
   printf("16010123012\n");
   char ch;
   printf("Enter alphabet : ");
   scanf("%c",&ch);

   switch(ch)
   {
      case 'a':
      printf("Entered alphabet is a vowel");
      break;
```

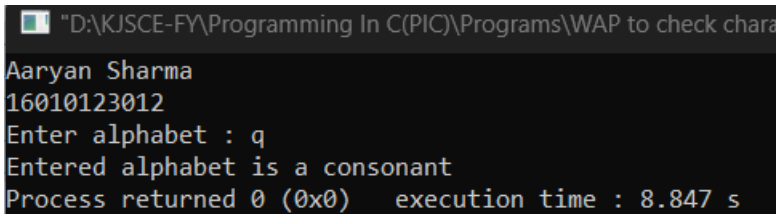
```
        case 'e':
        printf("Entered alphabet is a vowel");
        break;
        case 'i':
        printf("Entered alphabet is a vowel");
        break;
        case 'o':
        printf("Entered alphabet is a vowel");
        break;
        case 'u':
        printf("Entered alphabet is a vowel");
        break;
        default:
        printf("Entered alphabet is a consonant");
        break;
    }

        return 0;
}
```








"D:\KJSCE-FY\Programming In C(PIC)\Programs\WAP to check cha
Aaryan Sharma
16010123012
Enter alphabet : g
Entered alphabet is a consonant
Process returned 0 (0x0)   execution time : 3.896 s


"D:\KJSCE-FY\Programming In C(PIC)\Programs\WAP to check chara
Aaryan Sharma
16010123012
Enter alphabet : q
Entered alphabet is a consonant
Process returned 0 (0x0)   execution time : 8.847 s