

PIC

Q1

```
#include<stdio.h>

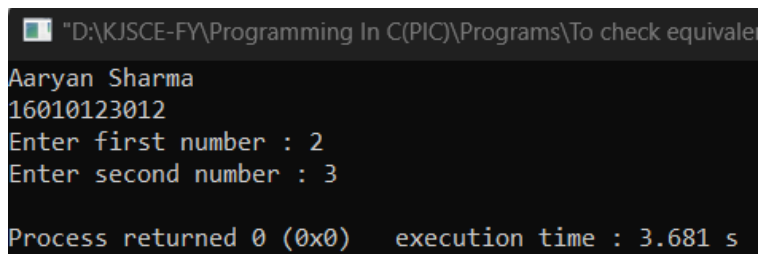
int main()
{
    printf("Aaryan Sharma\n");
    printf("16010123012\n");

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

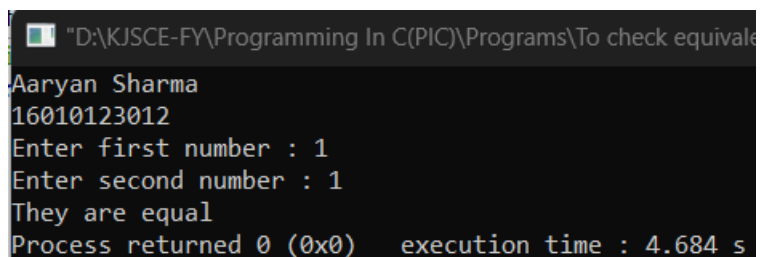
    int b;
    printf("Enter second number : ");
    scanf("%d",&b);

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

    return 0;
}
```



```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\To check equivalence"
Aaryan Sharma
16010123012
Enter first number : 2
Enter second number : 3
Process returned 0 (0x0) execution time : 3.681 s
```



```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\To check equivalence"
Aaryan Sharma
16010123012
Enter first number : 1
Enter second number : 1
They are equal
Process returned 0 (0x0) execution time : 4.684 s
```

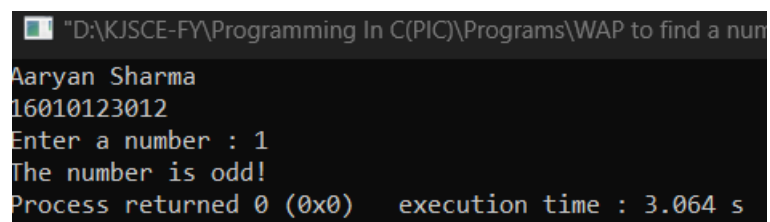
Q2

```
#include<stdio.h>

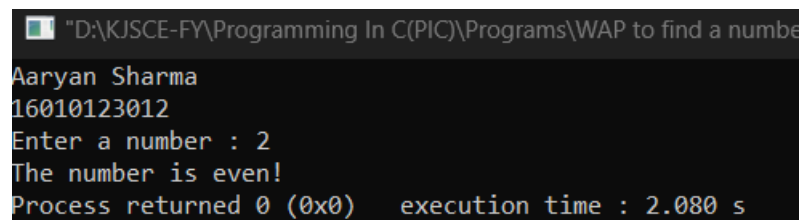
int main()
{
    printf("Aaryan Sharma\n");
    printf("16010123012\n");

    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;
}
```



```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\WAP to find a number"
Aaryan Sharma
16010123012
Enter a number : 1
The number is odd!
Process returned 0 (0x0) execution time : 3.064 s
```



```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\WAP to find a number"
Aaryan Sharma
16010123012
Enter a number : 2
The number is even!
Process returned 0 (0x0) execution time : 2.080 s
```

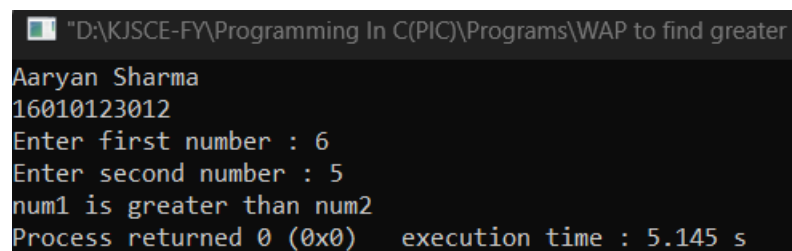
Q3

```
#include<stdio.h>

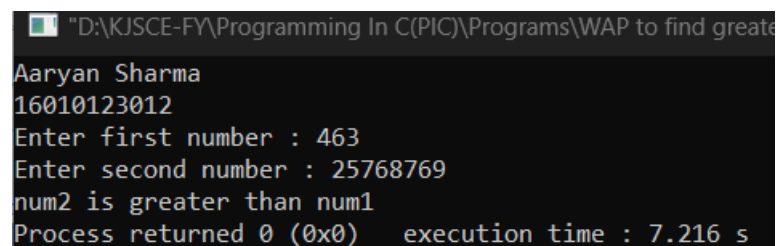
int main()
{
    printf("Aaryan Sharma\n");
    printf("16010123012\n");

    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;
}
```



```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\WAP to find greater
Aaryan Sharma
16010123012
Enter first number : 6
Enter second number : 5
num1 is greater than num2
Process returned 0 (0x0)    execution time : 5.145 s
```



```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\WAP to find greater
Aaryan Sharma
16010123012
Enter first number : 463
Enter second number : 25768769
num2 is greater than num1
Process returned 0 (0x0)    execution time : 7.216 s
```

Q4

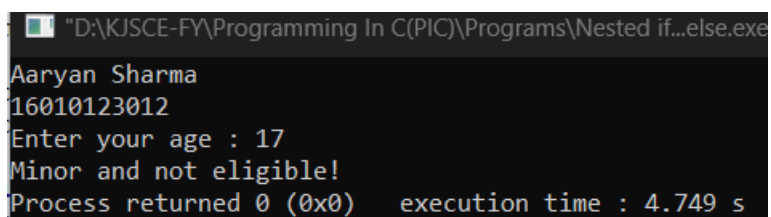
```
#include<stdio.h>

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;
}
```



```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\Nested if...else.exe"
Aaryan Sharma
16010123012
Enter your age : 17
Minor and not eligible!
Process returned 0 (0x0)   execution time : 4.749 s
```

```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\Nested if...else.exe"
Aaryan Sharma
16010123012
Enter your age : 18
Eligible to work!
Process returned 0 (0x0)    execution time : 2.156 s
```

```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\Nested if...else.exe"
Aaryan Sharma
16010123012
Enter your age : 60
Eligible to work!
Process returned 0 (0x0)    execution time : 1.883 s
```

```
"D:\KJSCE-FY\Programming In C(PIC)\Programs\Nested if...else.exe"
Aaryan Sharma
16010123012
Enter your age : 65
You are too old to work!
Process returned 0 (0x0)    execution time : 3.123 s
```

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;

}

```

```

"D:\KJSCE-FY\Programming In C(PIC)\Programs\lf...else ladder.exe
Aaryan Sharma
16010123012
Enter your marks : 93
You get an A grade
Process returned 0 (0x0)   execution time : 6.402 s

```

```

"D:\KJSCE-FY\Programming In C(PIC)\Programs\lf...else ladder.exe
Aaryan Sharma
16010123012
Enter your marks : 80
You get a B grade
Process returned 0 (0x0)   execution time : 2.637 s

```

```

"D:\KJSCE-FY\Programming In C(PIC)\Programs\lf...else ladder.exe
Aaryan Sharma
16010123012
Enter your marks : 60
You get a C grade
Process returned 0 (0x0)   execution time : 3.627 s

```

```

"D:\KJSCE-FY\Programming In C(PIC)\Programs\lf...else ladder.exe
Aaryan Sharma
16010123012
Enter your marks : 40
You fail
Process returned 0 (0x0)   execution time : 2.503 s

```

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 character
Aaryan Sharma
16010123012
Enter alphabet : a
Entered alphabet is a vowel
Process returned 0 (0x0)   execution time : 3.086 s

```

```

"D:\KJSCE-FY\Programming In C(PIC)\Programs\WAP to check character
Aaryan Sharma
16010123012
Enter alphabet : i
Entered alphabet is a vowel
Process returned 0 (0x0)   execution time : 1.929 s

```

```

"D:\KJSCE-FY\Programming In C(PIC)\Programs\WAP to check character is
Aaryan Sharma
16010123012
Enter alphabet : u
Entered alphabet is a vowel
Process returned 0 (0x0)   execution time : 3.326 s

```

```
"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
```