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**CMS ID-456925**

**ME-15 SEC A**

**CS-114**

**FUNDAMENTAL OF COMPUTER PROGRAMMING**

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## TASK 1:

```
#include<iostream>

using namespace std;

int main()
{int x;

    cout<<"enter your marks";

    cin>>x;//input by user

    if(x<=100&&x>=90){cout<<"you obtained grade=A"<<endl;

    }

    if(x<90&&x>=75){cout<<"you obtained grade=B"<<endl;

    }

    if(x<75&&x>=60){cout<<"your grade is C"<<endl;

    }

    if(x<60&&x>=45){cout<<"youre grade is D"<<endl;

    }

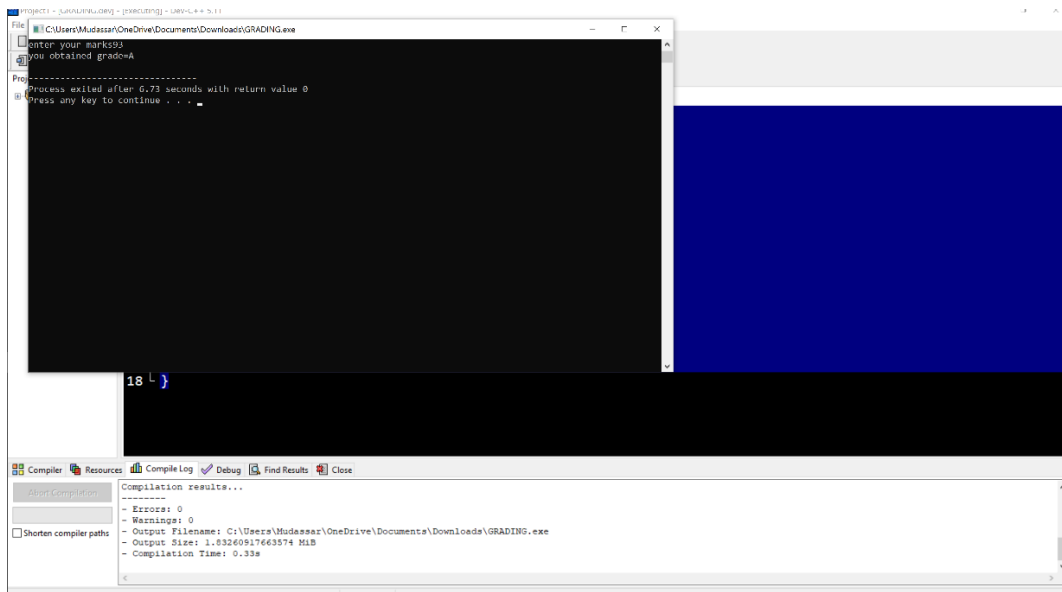
    if(x<45&&x>=0){cout<<"your grade is F"<<endl;

    }

    }//criteria for grading

    return 0;

    }//result declared
```



## TASK2:

using namespace std;

int main()

{

int x;

cout<<"enter the number"<<endl;

cin>>x;//input by user

if(x%2==0&& x%5==0){cout<<"given number is an even number and divisible by 5"<<endl;

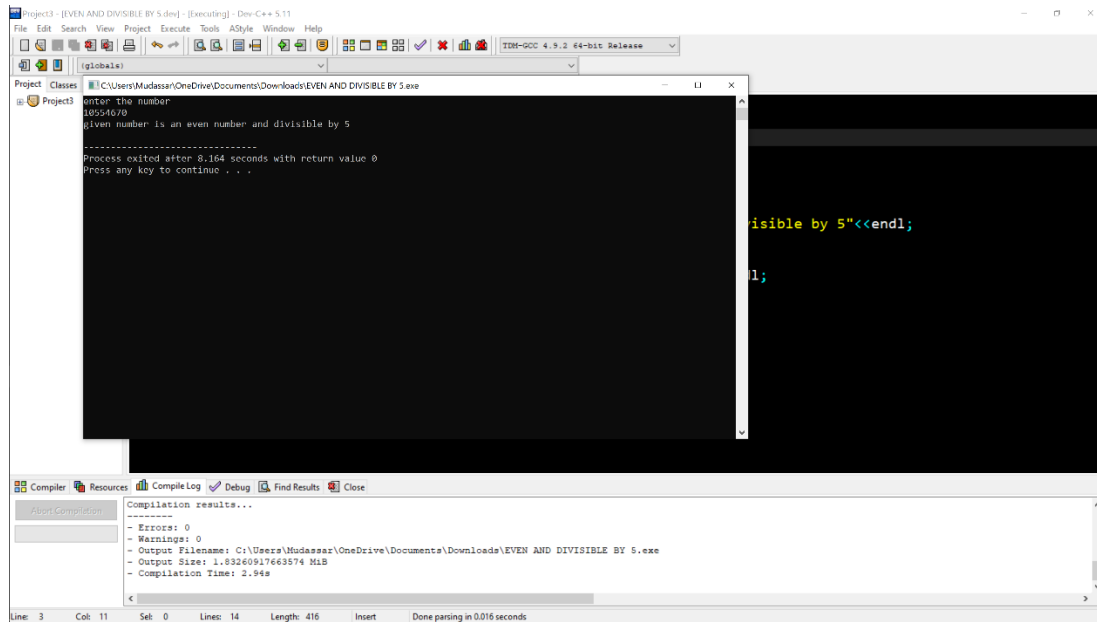
}//condition for even number and divisible by 5

else

{cout<<"number is not an even number or not divisible by 5"<<endl;

}//condition if x is not an even number or not divisible by 5

return 0;}



### TASK 3:

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int x;
```

```
    cout<<"ENTER YEAR="<<endl;//statement on computer screen
```

```
    cin>>x;//input by user
```

```
    if(x%4==0){cout<<"This is a leap year"<<endl;
```

```
    }//condition 1
```

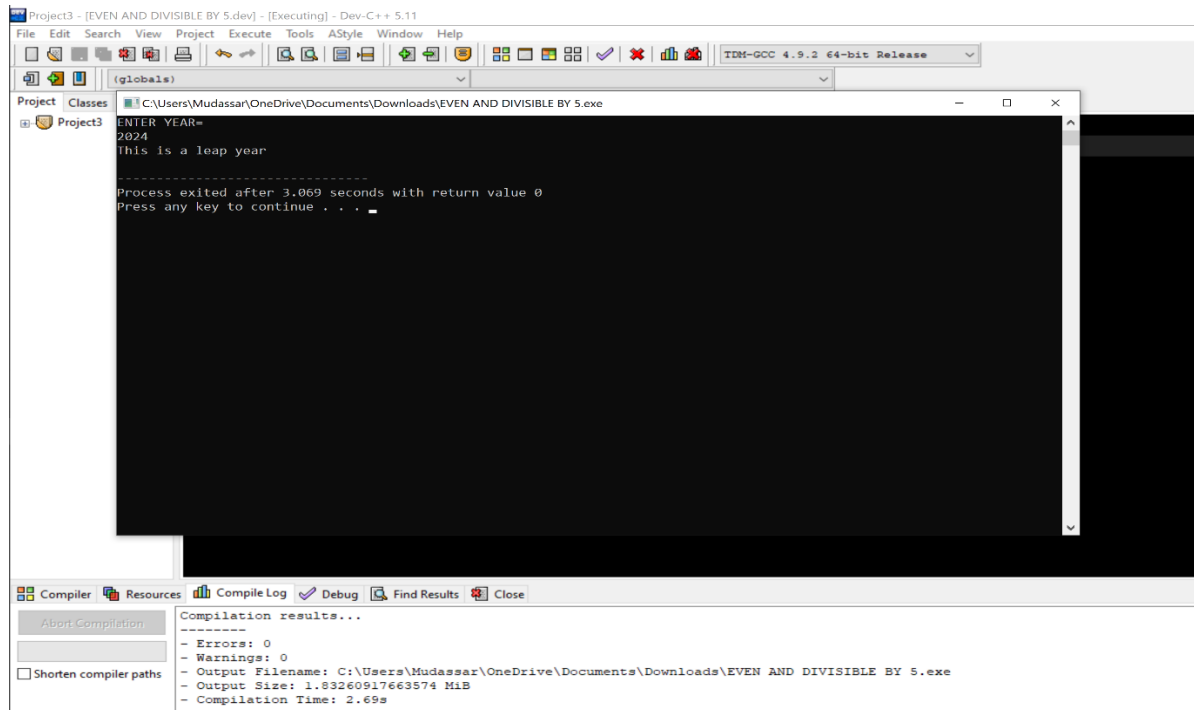
```
    else
```

```
    {cout<<"This is not a leap year"<<endl;
```

```
    }//condition 2
```

```
    return 0;}

```



## TASK 4:

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    double x,y;
```

```
    cout<<"enter your CGPA"<<endl;//input your cgpa
```

```
    cin>>x;
```

```
    cout<<"enter your attendance percentage"<<endl;//input of attendance  
percentage
```

```
    cin>>y;
```

```
    if(x>=3.5&& y>=80){cout<<"you are applicable for  
scholarship"<<endl;//condition 1
```

```
}
```

```

else

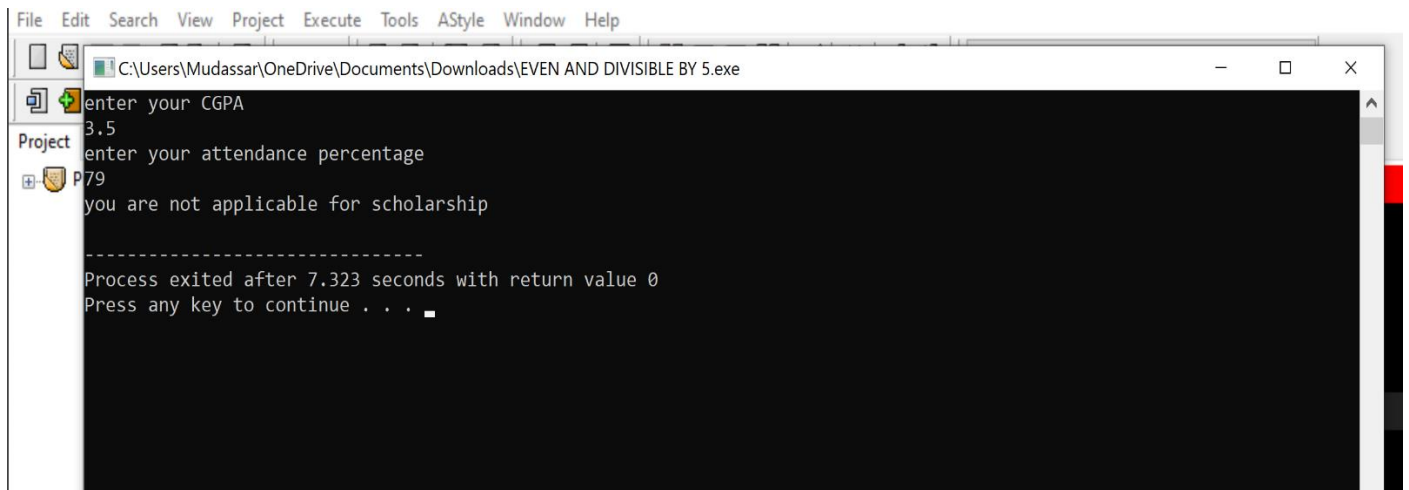
{cout<<"you are not applicable for scholarship"<<endl;//condition 2

}

return 0;

}

```



## TASK 5:

```

#include<iostream>

using namespace std;

int main()

{char alphabet;//introduction of char function dut to character

cout<<"enter alphabet"<<endl;//console on print screen

cin>>alphabet;//input by user

if(alphabet=='a' || alphabet=='e' || alphabet=='i' || alphabet=='o' || alphabet=='u')//i
ntroduction of condition

{cout<<"alphabet is vowel"<<endl;

```

```
}//result if alphabet is vowel
```

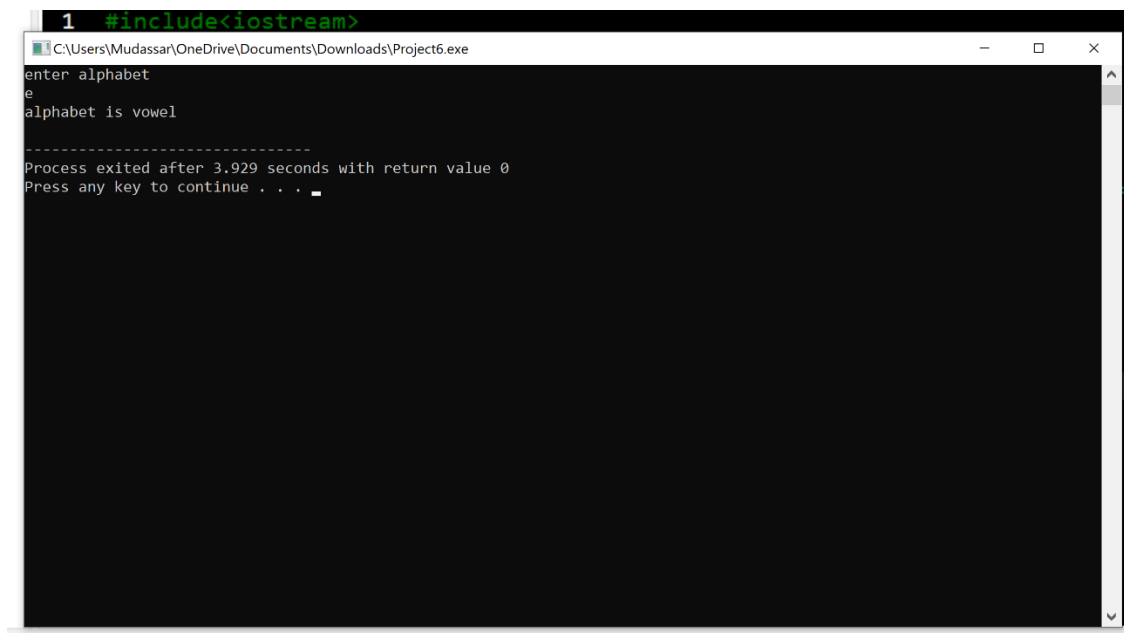
```
else
```

```
{cout<<"alphabet is consonent"<<endl;//result if alphabet is consonenet
```

```
}
```

```
return 0;
```

```
}
```



```
1 #include<iostream>
C:\Users\Mudassar\OneDrive\Documents\Downloads\Project6.exe
enter alphabet
e
alphabet is vowel
-----
Process exited after 3.929 seconds with return value 0
Press any key to continue . . .
```