Coding C++

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```cpp
1  #include<iostream>
2  using namespace std;
3  int main(){
4
5  int Score;   //c Variable Score has been declared
6
7  cout<<"Enter Your Score."<<endl;   //c endl means to end the line
8  cin>>Score;
9  //c This will take Score from user as input
10
11 if(Score>=90&&Score<=100)   //c This will decide the output
12 {
13 cout<<"Your Grade is: A."<<endl;
14 //c This will Display the Grade of the student
15 }
16 if(Score>=75&&Score<=89)
17 {
18 cout<<"Your Grade is: B."<<endl;
19 }
20 //c Each if statement has its own {} brackets.
21 if(Score>=60&&Score<=74)
22 {
23 cout<<"Your Grade is: C."<<endl;
24 }
25 if(Score>=45&&Score<=59)
26 {
27 cout<<"Your Grade is: D."<<endl;
28 }
29 if(Score>=0&&Score<=44)
30 {
31 cout<<"Your Grade is: F."<<endl;
32 }
33 }
```

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```
Enter your score:
97
Your Grade is: A

[Process completed - press Enter]
```

Enter the value of any Integer:
20
The Integer is an Even Number. And it is also divisible by 5

[Process completed - press Enter]

Coding C++

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RUN   MENU

```cpp
1  #include<iostream>
2  using namespace std;
3
4  int main(){
5  int Integer;
6
7  cout<<"Enter the value of any Integer: "<<endl;
8  cin>>Integer;
9
10 if(Integer%2==0&&Integer%5==0)
11 {
12 cout<<"The Integer is an Even Number. And it is also divisible by 5"<<endl;
13 }
14 }
```

Tab   {}   " "   ;   ↺   ⇧   ↻

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```
Enter any Year
2004
That Year is a Leap Year.

[Process completed - press Enter]
```

```
Enter any Year
1900
That Year is NOT a Leap Year.

[Process completed - press Enter]
```

```cpp
#include<iostream>
using namespace std;

int main(){
int Year;

cout<<"Enter any Year"<<endl;
cin>>Year;

if(Year%4==0&&Year%400==0)
{
cout<<"That Year is a Leap Year."<<endl;
}
else if(Year%100==0)
{
cout<<"That Year is NOT a Leap Year."<<endl;
}
else{
cout<<"That Year is a Leap Year."<<endl;
}
}
```

Tab   {}   " "   ;   ↺   ⇧   ↻

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```
Enter your GPA.
4
Enter the percentage of your Attendance.
91
You are ELIGIBLEfor Scholarship.

[Process completed - press Enter]
```

```cpp
1  #include<iostream>
2  using namespace std;
3
4  int main()
5  {
6  float GPA,Attendance;
7  cout<<"Enter your GPA."<<endl;
8  //c This will take the value of GPA from user as input.
9  cin>>GPA;
10
11 cout<<"Enter the percentage of your Attendance."<<endl;
12 //c endl means that the line has ended here.
13 cin>>Attendance;
14 //c This will store the entered value of Attendance in the previously declare
15
16 if(GPA>=3.5&&Attendance>=80)
17 {
18 cout<<"You are ELIGIBLEfor Scholarship."<<endl;
19 //c This will be shown as output if both conditions are true.
20 }
21 else{
22 cout<<"You are NOT Eligible for Scholarship."<<endl;
23 //c This will be displayed as output if any of two conditions is false.
24 }
25 }
```

Tab   {}   " "   ;

=   \   &   ,

```cpp
#include<iostream>
using namespace std;

int main(){
char A,a,e,i,o,u;
cout<<"Enter any character: "<<endl;
cin>>A;

if(A==a||A==e||A==i||A==o||A==u)
{
cout<<"The Character entered is a vowel."<<endl;
}
else{
cout<<"The Character entered is a consonant."<<endl;
}
}
```

systemCompile Result

Enter any character:
d
The Character entered is a consonant.

[Process completed - press Enter]