

CS LAB Assignment 2

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```
main.cpp
1 //Task 1
2 #include <iostream>
3 using namespace std;
4 int main(){
5     int grade;
6     cout << "Enter score: ";
7     cin>> grade;
8     if (grade >= 90 && grade <=100){
9         cout << "A";
10    }
11    else if (grade >= 75 && grade < 90){
12        cout << "B";
13    }
14    else if (grade >= 60 && grade < 75){
15        cout << "C";
16    }
17    else if (grade >= 45 && grade < 60){
18        cout << "D";
19    }
20    else if (grade >= 0 && grade < 45){
21        cout << "F";
22    }
23    else {
24        cout << " Invalid score.";
25    }
26    return 0;
27 }
28
```

Enter score: 95
A
...Program finished with exit code 0
Press ENTER to exit console.

main.cpp

```
1 // Task 2
2 #include <iostream>
3 using namespace std;
4 int main(){
5     int num;
6     cout << "Enter number: ";
7     cin >> num;
8     if (num % 2 == 0){
9         if (num % 5 == 0){
10             cout << "Even and divisible by 5.";
11         }
12         else{
13             cout << "Even and not divisile by 5.";
14         }
15     }
16     else if (num % 5 == 0){
17         cout << "Odd and divisible by 5.";
18     }
19     else {
20         cout << "Odd and not divisible by 5.";
21     }
22     return 0;
23 }
24
```

Enter number: 88
Even and not divisile by 5.
...Program finished with exit code 0
Press ENTER to exit console.

main.cpp

```
1 // Task 3
2 #include <iostream>
3 using namespace std;
4 int main(){
5     int num;
6     cout << "Enter year: ";
7     cin >> num;
8     if (num % 4 == 0) {
9         if (num % 400 != 0){
10             cout << "Not a leap year. ";
11         }
12         else{
13             cout << "Leap year";
14         }
15     }
16     else {
17         cout << "Not a leap year";
18     }
19     return 0;
20 }
21
```

Enter year: 2000
Leap year
...Program finished with exit code 0
Press ENTER to exit console.

main.cpp

```
1 // Task 4
2 #include <iostream>
3 using namespace std;
4 int main(){
5     double attendance, gpa;
6     cout << "Enter gpa and attendance respectively: ";
7     cin >> gpa >> attendance;
8     if (gpa >= 3.5){
9         if (attendance >= 80){
10             cout << "Eligible for scholarship.";
11         }
12     }
13     else {
14         cout << "Not eligible for scholarship.";
15     }
16     return 0;
17 }
18
```

Enter gpa and attendance respectively: 3.6

90

Eligible for scholarship.

...Program finished with exit code 0

Press ENTER to exit console.

main.cpp

```
1 // Task 5
2 #include <iostream>
3 using namespace std;
4 int main(){
5     char letter;
6     cout << "Input letter: ";
7     cin >> letter;
8     if (letter == 'a' || letter == 'e' || letter == 'i' || letter == 'o' || letter == 'u'){
9         cout << "It's a vowel.";
10    }
11    else {
12        cout << "Not a vowel.";
13    }
14    return 0;
15 }
16
17
```



input

Input letter: a
It's a vowel.

...Program finished with exit code 0
Press ENTER to exit console.