**Muhammad Shehryar Ismail 461599**

**SEC A ME 15**

#include <iostream>

using namespace std;

int main()

{

**QUESTION 2: -**

int NUM;

cout<<"give integer: "<<endl;

cin>>NUM;

if(NUM%5==0)

{cout<<"divisble by 5"<<endl;

}

else(cout<<"not divisible by five")<<endl;

if(NUM%2==0)

{cout<<"EVEN";

}

else(cout<<"NOT even");

**QUESTION 3: -**

int YEAR;

cout<<"Write year: "<<endl;

cin>>YEAR;

if(YEAR<0)

{cout<<"Invalid YEAR";

}

else

if(YEAR%4==0)

{cout<<"LEAP YEAR";

}

else(cout<<"NOT leap year");

**QUESTION 4: -**

float gpa, atd;

cout<<"state GPA and attendance: ";

cin>>gpa>>atd;

if(gpa<0 || gpa>4 || atd>100 || atd<0)

{cout<<"invalid gpa or attendance";

}

else

if(gpa>=3.5 && atd>80)

{cout<<"eligible!!!";

}

else(cout<<"sorry NOT eligible....");

**QUESTION 5: -**

char c;

bool Vowel;

cout << "Enter an alphabet: ";

cin >> c;

Vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' || c == 'u' || c == 'A' || c == 'E' || c == 'I' || c == 'O' || c == 'U');

if (!isalpha(c))

printf("Error! Non-alphabetic character.");

else

if (Vowel)

cout << "vowel.";

else

cout << "consonant.";

}