Task 1

**Objective:**

Write a C++ Program that read a float input from user and store it in variable amount. Add 16 to an integer num if the value of amount in greater than 5.4. Print out the results of both variables on screen.

#include<iostream>

using namespace std;

int main()

{

float amount;

int num=10;

cout<<"Enter your amount: ";

cin>>amount;

if(amount>5.4)

{num=num+16;

cout<<"amount is: "<<amount<<endl;

cout<<"num is "<<num<<endl;}

system("pause");

return 0;

}

Task 2

**Objective:**

Write a C++ Program that read three input from user and returns the smallest one.

#include<iostream>

using namespace std;

int main ()

{

int a,b,c;

cout<<"Enter first number: ";

cin>>a;

cout<<"Enter second number: ";

cin>>b;

cout<<"Enter third number: ";

cin>>c;

if ((a<b)&&(a<c))

cout<<"\nFirst number is smaller"<<endl;

else if ((b<a)&&(b<c))

cout<<"\nSecond number is smaller"<<endl;

else

cout<<"\nThird number is smaller"<<endl;

system ("pause");

return 0;

}

Task 3

**Objective:**

Write a C++ Program that read an alphabet (e.g. a,b,c,d,…..z) and display whether the input alphabet is a vowel (i.e. a, e, i, o, u) or consonant( alphabets other than vowels).

#include<iostream>

using namespace std;

int main( )

{

char alpha;

cout<<"Enter alphabet";

cin>>alpha;

if((alpha=='a')||(alpha=='e')||(alpha=='i')||(alpha=='o')||(alpha=='u'))

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

else

cout<<"alphabet is consonat"<<endl;

system ("pause");

return 0;

}

Task 4

**Objective:**

Write a C++ Program that read a number from user (1-100),if the number is below 1 or above 100, ask user to enter new value. Then test the user entered number whether it is EVEN or ODD. Print the message that number is EVEN or ODD.

#include<iostream>

using namespace std;

int main ()

{

int num;

a:

cout<<"Enter number: ";

cin>>num;

if ((num<100)&&(num>1))

{

if(num%2==0)

cout<<"\nEven"<<endl;

else

cout<<"\nOdd"<<endl;

}

else

goto a;

system ("pause");

return 0;

}

Task 5

**Objective:**

Write a C++ Program that read an integer input in between (1 to 12) and store it month\_of\_year. Print the corresponding month of year. Use nested else if statement. Example: Input is 4… Print “April”

#include<iostream>

using namespace std;

int main ()

{

int num;

cout<<"Enter Number 1 to 12: ";

cin>>num;

if (num>=13)

cout<<"\nInvalid Number"<<endl;

else if (num==1)

cout<<"January"<<endl;

else if (num==2)

cout<<"Febuary"<<endl;

else if (num==3)

cout<<"March"<<endl;

else if (num==4)

cout<<"April"<<endl;

else if (num==5)

cout<<"May"<<endl;

else if (num==6)

cout<<"June"<<endl;

else if (num==7)

cout<<"July"<<endl;

else if (num==8)

cout<<"August"<<endl;

else if (num==9)

cout<<"September"<<endl;

else if (num==10)

cout<<"October"<<endl;

else if (num==11)

cout<<"November"<<endl;

else if (num==12)

cout<<"December"<<endl;

system ("pause");

return 0;

}

Task 6

**Objective:**

Write a C++ Program that read an integer input in between (1 to 12) and store it month\_of\_year. Print the corresponding month of year. Example: Input is 4… Print “April”

Rewrite task 5 using switch statement.

#include<iostream>

using namespace std;

int main ()

{

int num;

cout<<"Enter Number of Month: ";

cin>>num;

switch(num)

{

case 1:

{cout<<"Month is January"<<endl;

break;}

case 2:

{cout<<"Month is Febuary"<<endl;

break;}

case 3:

{cout<<"Month is March"<<endl;

break;}

case 4:

{cout<<"Month is April"<<endl;

break;}

case 5:

{cout<<"Month is May"<<endl;

break;}

case 6:

{cout<<"Month is June"<<endl;

break;}

case 7:

{cout<<"Month is July"<<endl;

break;}

case 8:

{cout<<"Month is August"<<endl;

break;}

case 9:

{cout<<"Month is September"<<endl;

break;}

case 10:

{cout<<"Month is October"<<endl;

break;}

case 11:

{cout<<"Month is November"<<endl;

break;}

case 12:

{cout<<"Month is December"<<endl;

break;}

default:

cout<<"Invalid Number of Month"<<endl;

}

system ("pause");

return 0;

}