**300986134 Parth Chandgadhiya**

**Code [01]**

using System;

using static System.Console;

namespace ConsoleApp2

{

class Program

{

static void Main(string[] args)

{

int m;

string b;

string d = "ABC";

int n = 0;

WriteLine("Please enter your username: ");

b = ReadLine();

WriteLine("Please enter your password: ");

m = Convert.ToInt32(ReadLine());

while (b != d || m != 123)

{

WriteLine("Either your username or password is wrong");

WriteLine("Please enter your username again: ");

b = ReadLine();

WriteLine("Please enter your password again: ");

m = Convert.ToInt32(ReadLine());

n++;

if (n == 3)

{

WriteLine("Your account is locked for too many wrong attempts");

break;

}

}

WriteLine("Successful Login");

}

}

}

**Code [02]**

using System;

using static System.Console;

namespace ConsoleApp2

{

class Program

{

static void Main(string[] args)

{

int m;

string b;

string d = "ABC";

int n = 0;

WriteLine("Please enter your username: ");

b = ReadLine();

WriteLine("Please enter your password: ");

m = Convert.ToInt32(ReadLine());

do

{

WriteLine("Either your username or password is wrong");

WriteLine("Please enter your username again: ");

b = ReadLine();

WriteLine("Please enter your password again: ");

m = Convert.ToInt32(ReadLine());

n++;

if (n == 3)

{

WriteLine("Your account is locked for too many wrong attempts");

break;

}

} while (b != d || m!=123 );

WriteLine("Successful Login");

}

}

}

**Code [03]**

using System;

using static System.Console;

namespace ConsoleApp6

{

class Program

{

static void Main(string[] args)

{

int a = 0;

int g = int.MinValue;

while (a != -1)

{

WriteLine("Enter -1 to exit");

WriteLine("Please enter your number: ");

a = Convert.ToInt32(ReadLine());

if (a>=g)

{

g = a;

}

}

WriteLine("\nThe Greatest number is {0}\n",g);

}

}

}

**Code [04]**

using System;

using static System.Console;

namespace ConsoleApp6

{

class Program

{

static void Main(string[] args)

{

int a = 0;

int g = int.MinValue;

do

{

WriteLine("Enter -1 to exit");

WriteLine("Please enter your number: ");

a = Convert.ToInt32(ReadLine());

if (a >= g)

{

g = a;

}

} while (a != -1);

WriteLine("\nThe Greatest number is {0}\n",g);

}

}

}

**Code [05]**

using System;

using static System.Console;

namespace ConsoleApp6

{

class Program

{

static void Main(string[] args)

{

int c = 0;

int i = 0;

double f = 0.00;

while (i <=10)

{

for (c = 0; c <= 100; c += 10)

{

f = (1.8 \* c) + 32;

WriteLine("{0} celsius is equal to {1} fahrenheit", c,f);

i++;

}

}

}

}

}

**Code [06]**

using System;

using static System.Console;

namespace ConsoleApp6

{

class Program

{

static void Main(string[] args)

{

int c = 0;

int i = 0;

double f = 0.00;

do

{

for (c = 0; c <= 100; c += 10)

{

f = (1.8 \* c) + 32;

WriteLine("{0} celsius is equal to {1} fahrenheit", c,f);

i++;

}

} while (i <= 10) ;

}

}

}

**Code [07]**

using System;

using static System.Console;

namespace ConsoleApp7

{

class Program

{

static void Main(string[] args)

{

string a = "";

double r = 0.04;

double new\_bal;

int y=2018;

double bal = 10000;

double i = 0;

double j;

WriteLine("Balance year");

WriteLine("{0}$ {1} ", bal, y);

WriteLine("Do you want to continue for the next year?");

a = ReadLine();

while (a == "Y" || a == "y")

{

j = i+bal;

new\_bal = (j \* r) + j;

i = (new\_bal) - (bal);

y++;

WriteLine("{0}$ {1}", new\_bal, y);

WriteLine("Do you want to continue for the next year?");

a = ReadLine();

}

while (a == "N" || a == "n")

{

break;

}

WriteLine("Thank you for choosing our bank. Have a wonderful day!\n");

}

}

}

**Code [08]**

using System;

using static System.Console;

namespace ConsoleApp8

{

class Program

{

static void Main(string[] args)

{

string a = "";

double r = 0.04;

double new\_bal;

int y = 2018;

double bal = 10000;

double i = 0;

double j;

WriteLine("Balance year");

WriteLine("{0}$ {1} ", bal, y);

WriteLine("Do you want to continue for the next year?");

a = ReadLine();

do

{

j = i + bal;

new\_bal = (j \* r) + j;

i = (new\_bal) - (bal);

y++;

WriteLine("{0}$ {1}", new\_bal, y);

WriteLine("Do you want to continue for the next year?");

a = ReadLine();

} while (a == "Y" || a == "y");

while (a == "N" || a == "n")

{

break;

}

WriteLine("Thank you for choosing our bank. Have a wonderful day!\n");

}

}

}

**Code [09]**

using System;

using static System.Console;

namespace ConsoleApp7

{

class Program

{

static void Main(string[] args)

{

int c = 0;

int i = 1000;

int Sum = 0;

while (i != 2000)

{

c = i % 3;

if (c == 0)

{

Console.Write("{0} +", i);

Sum = Sum + i;

}

i++;

}

Console.WriteLine("\nThe Sum of all the Multiples of 3 between 1000 to 2000 : {0}", Sum);

}

}

}

**Code [10]**

using System;

using static System.Console;

namespace ConsoleApp7

{

class Program

{

static void Main(string[] args)

{

int c = 0;

int i = 1000;

int Sum = 0;

do

{

c = i % 3;

if (c == 0)

{

Console.Write("{0} +", i);

Sum = Sum + i;

}

i++;

} while (i != 2000);

Console.WriteLine("\nThe Sum of all the Multiples of 3 between 1000 to 2000 : {0}", Sum);

}

}

}

**Bonus**

using System;

using static System.Console;

namespace ConsoleApp8

{

class Program

{

static void Main(string[] args)

{

int year = 1;

int dep = 4000;

int eoy=28000;

int adep = 0;

WriteLine("year depreciation End-of-year value accumulated-depreciation ");

WriteLine("---- ------------ ----------------- ------------------------ ");

while (year != 8)

{

eoy -= dep;

adep += dep;

WriteLine("{0,2}{1,18}{2,25}{3,18}", year, dep, eoy, adep);

year++;

}

}

}

}