using System;

namespace ConsoleApp1

{

class Program

{

static void Main(string[] args)

{

Int32 mark;

Console.WriteLine("please in put your grade");

mark = int.Parse(Console.ReadLine());

if (mark < 0 || mark > 100)

Console.WriteLine("please reset your grade");

else

{

switch (mark / 10)

{

case 9: case 8: case 10: Console.WriteLine("HD"); break;

case 7: Console.WriteLine("D"); break;

case 6: Console.WriteLine("C"); break;

case 5: Console.WriteLine("P"); break;

default: Console.WriteLine("N"); break;

}

}

}

}

}

using System;

namespace ConsoleApp2

{

class Program

{

static void Main(string[] args)

{

double x,y;

Console.WriteLine("please input x=");

x = double.Parse(Console.ReadLine());

switch(x)

{

case 0:y =Math.Cos(x)-Math.Pow(x,3)+3\*x; break;

default: y = Math.Sin(x) + Math.Sqrt(x \* x + 1);break;

}

Console.WriteLine("y=" + y);

}

}

}

using System;

namespace ConsoleApp3

{

class Program

{

static void Main(string[] args)

{

float x ,y;

x = float.Parse(Console.ReadLine());

if (x > 0)

if (x < 1000)

y = x;

else if (x < 2000 && x >= 1000)

y = 0.9f \* x;

else if (x < 3000 && x >= 2000)

y = 0.8f \* x;

else

{ y = 0.7f \* x; Console.WriteLine("You should pay :{0:c2}", y); }

else

Console.WriteLine("Please input the right x");

}

}

}

using System;

namespace ConsoleApp4

{

class Program

{

static void Main(string[] args)

{

int days;

Console.WriteLine("please enter the day of this week(e.g,0,1,2,3……）:");

days=int.Parse(Console.ReadLine());

switch (days)

{

case 0: Console.WriteLine("Day 0 is Sunday."); break;

case 1: Console.WriteLine("Day 1 is Monday."); break;

case 2: Console.WriteLine("Day 2 is Tuesday."); break;

case 3: Console.WriteLine("Day 3 is Wednesday."); break;

case 4: Console.WriteLine("Day 4 is Thursday."); break;

case 5: Console.WriteLine("Day 5 is Friday."); break;

case 6: Console.WriteLine("Day 6 is Saturday."); break;

default: Console.WriteLine("That value is invalid."); break;

}

}

}

}

using System;

namespace ConsoleApp5

{

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Caculate the solution of ax^2+bx+c=0");

double a, b, c,d,x12,x1,x2;

Console.Write("a=");

a = double.Parse(Console.ReadLine());

Console.Write("b=");

b = double.Parse(Console.ReadLine());

Console.Write("c=");

c = double.Parse(Console.ReadLine());

d =Math.Pow(b,2) - 4 \* a \* c;

if (a==0)

{

x12 = -b / c;

Console.WriteLine("方程有一个实数根x={0}", x12);

}

else if (d==0)

{

x12 = -b / (2 \* a);

Console.WriteLine("方程有两个相等的实数根x={0}", x12);

}

else if (d>0)

{

x1 = -b + Math.Sqrt(d) / (2 \* a);

x2 = -b - Math.Sqrt(d) / (2 \* a);

Console.WriteLine("方程有两个不相等的实根\nx1={0}\nx2={1}", x1, x2);

}

else

Console.WriteLine("方程有两个共轭复数根");

}

}

}