**Assignment # 2**

**Question : 1**

int length = 20;

int breadth = 10;

if(length == breadth)

{

print("square");

}

else

{

print("rectangle");

}

**Question : 2**

int a = 30;

int b = 40;

int c = 35;

**// to find youngest age**

if(a < b && a < c)

{

print("The youngest age is, $a");

}

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

{

print("The youngest age is, $b");

}

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

{

print("The youngest age is, $c");

}

**// to find oldest age**

if(a > b && a > c)

{

print("The oldest age is, $a");

}

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

{

print("The oldest age is, $b");

}

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

{

print("The oldest age is, $c");

}

**Question : 3**

int classes\_held = 16;

int attended\_classes = 10;

var percentage = (attended\_classes \* 100)~/ classes\_held;

print("percantage of class attended : $percentage%");

if(percentage >= 75)

{

print("Allowed to sit in exam");

}

else

{

print("Not allowed to sit in exam");

}

**Question : 4**

Int year = 2002;

Print(“year $year”);

If(year%400 == 0 && year%4==0)

{

Print(“is leap year”);

}

else if(year%4 == 0 || year %400== 0)

{

Print(“ is leap year ”);

}

Else

{

Print(“is not leap year”);

}

**Question : 5**

Int temperature = 31;

If(temperature < 0)

{

Print(“ Freezing Weather”);

}

Else if( temperature < 11)

{

Print(“very cold weather”);

}

else if(Temperature < 21)

{

Print(“Cold Weather”);

}

else if(Temperature < 31)

{

Print(“Normal Temperature”);

}

else if(temperature < 40)

{

Print(“its Hot Temperature”);

}

Else

{

Print(“ There is No Temperature Recorded”);

}

**Question : 6**

var alphabet = "E";

var lower\_case = ("a,e,i,o,u");

var upper\_case = ("A,E,I,O,U");

if(alphabet=="a" || alphabet=="e" || alphabet=="i" || alphabet=="o" || alphabet=="u")

{

print("$alphabet ,is a vowel");

}

else if(alphabet=="A" || alphabet=="E" || alphabet=="I" || alphabet=="O" || alphabet=="U")

{

print("$alphabet ,is a vowel");

}

else

{

print("$alphabet ,is a consonant");

}

**Question : 7**

int id = 1001;

String Name = "james";

int units = 800;

double amount = 0.0;

double ucharge = 0.0;

if(unit < 200)

{

ucharge = 1.20;

}

else if (unit >= 200 && units < 400)

{

ucharge = 1.50;

}

else if (unit >= 400 && units < 600)

{

ucharge = 1.80;

}

else

{

ucharge = 2.00;

}

amount = charge\* units;

double tax = (amount \* 15)/100;

double net amount = amount + tax;

print ("Customer Id No: $id");

print("Customer Name $name");

print("Unit Consumed : $units");

print("Amount charge @Rs $ucharge per unit: $amount")

print("Net Bill Amount : $ netAmount");