**3.**

func scrabbleScore(ofWord word:String)->Int{

var value:Int

var sum:Int=0

for Character in word{

switch(Character){

case "A", "E", "I", "O", "U", "L", "N", "R", "S", "T": value=1;

sum+=value

case "D", "G":value=2

sum+=value

case "B", "C", "M", "P": value=3

sum+=value

case "H", "F", "V", "W", "Y": value=4

//Character+=1

sum+=value

case "k":value=5

sum+=value

case "J", "X":value=8

sum+=value

case "Q", "Z":value=10

sum+=value

default : return sum

}

}

return sum

}

**4.**

print(scrabbleScore(ofWord:"Hello"))

print(scrabbleScore(ofWord:"HELLO"))

print(scrabbleScore(ofWord:"JEL LO"))

print(scrabbleScore(ofWord:"abc12d&\*"))

print(scrabbleScore(ofWord:"UDMPWFKJZ"))

**5.**

func oddsOfValue(\_ check:Int,values:Int ...)->Double{

let data1:[Int]=values;

let valuescount=data1.count

var count:Double=0.0

for value in data1{

if(value==check){

count+=1

}

}

return Double(count/Double(valuescount))

}

//print(count)

//print(data1)

//return 0.0

**6.**

print(oddsOfValue(1,values:1, 1, 1, 1, 1, 1, 1, 1, 1))

print(oddsOfValue(2,values: 1, 1, 1, 1, 1, 1))

print(oddsOfValue(3,values:1, 1, 2, 1, 2, 1, 3, 2, 1, 1))

print(oddsOfValue(4,values:4, 1, 4, 2, 4, 4, 3, 3))

print(oddsOfValue(5,values:5, 15, 1, 5, 1, 2, 1, 3, 1))

**7.**

class AnnoyingKid{

var count:Int

var message:String

init(count:Int, message:String){

self.count = count

self.message = message

}

func speakUp()->String{

var repeatedMessage = String()

for \_ in 0..<count {

repeatedMessage += message

}

return repeatedMessage

}

}

**8.**

let kid1=AnnoyingKid(count:3,message:"hiya")

let kid2=AnnoyingKid(count:4,message:"Whatcha doing?")

print(kid1.speakUp())

print(kid2.speakUp())

kid1.message="YUP"

print(kid1.speakUp())

print(kid2.speakUp())