## **Practice 6 - Decision Making**

Q1. Generate two random numbers in range 1 to 5. Check if their absolute difference is less than equal one, print almost equal, otherwise print not equal: **Sample Runs:** 2 First Number: Second Number: Numbers are not equal First Number: 2 Second Number: 3 Numbers are almost equal First Number: 4 Second Number: 3 Numbers are almost equal First Number: 5 Second Number: 3 Numbers are not equal **Q2.** Extend Q1 and print a third message, "Numbers are exactly equal", if both numbers are same: **Sample Runs:** 2 First Number: Second Number: 5 Numbers are not equal First Number: 2 Second Number: 3 Numbers are almost equal First Number: 3 Second Number: Numbers are exactly equal First Number: 5 Second Number: 3

Numbers are not equal

<b>Q3.</b> Ger	>= 85 >= 80 >= 75 >= 70 >=65 >=61 >=58 >=55 >=50	andom marks 0 · A A- B+ B C+ C C- D	to 100. Calculate and print grade using following table:
Sample	Runs:		
Marks:		67	
Grade:		B-	
Marks:		81	
Grade:		A-	
Marks:		62	
Grade:		C+	
accordi	ng to the		6 eggs and he sells eggs in packs, customer has to purchase number of packs s. Write a program to input number of eggs and print minimum number of packs
Sample	Runs:		
Eggs:		15	
Packs:		3	
Eggs:		12	
Packs:		2	
Eggs:		19	
Packs:		4	
<b>Q5.</b> Inposmaller		and length of t	wo rectangles. Find area of both rectangles. Check and print, which rectangle is
Sample	Runs:		
Width c	of first re	ectangle:	5
Length	of first r	ectangle:	3
Width of second rectangle:		d rectangle:	6
Length of second rectangle:			2
ResultS	second	rectangle is sma	aller
Width of first rectangle:			4
Length of first rectangle:			4
Width of second rectangle:		d rectangle:	7
Length of second rectangle:			3
Result:	First rec	tangle is smalle	r