No.	Program	Function	Input	Output
1	Find area of a square	float giveAreaOfSquare(float sizeOfSide)	3	9
	Area = sizeOfSide^2		6.5	42.25
			23	529
2	Find area of a circle	float giveAreaOfCircle(float radius)	4	50.24
	Area = pi * radius^2 (pi = 3.14)		5.4	91.56
			94	27745.04
3	Display given number of days into months and days	String covertDaysIntoMonthsAndDays(int days)	44	1 Month and 14 days
			785	26 Months and 5 days
			12	0 Month and 12 days
4	Print True if number is greater than 3, otherwise print False	boolean isNumberGreaterThanThree(int number)	5	TRUE
			-10	FALSE
			2	FALSE
5	Find whether a number is positive	boolean isNumberPositive(int number)	44	TRUE
			-1	FALSE
			-29	FALSE
6	Find whether number is even	boolean isEven(int number)	7	FALSE
			94	TRUE
			1	FALSE
7	Find whether number is divisible by 7	boolean isNumberDivisiblyBySeven(int number)	12	FALSE
			77	TRUE
			97	FALSE
8	Take Number from user - between 1 to 12 and show corresponding month	String displayMonthAsString(int month)	4	April
			9	September
			1	January
9	Print 1 to 10(using for and while loop)	void print1To10()		
10	Print all the even numbers between the given range	void printAllEvenNumbersInGivenRange(int minValue, int maxValue)	3,13	4,6,8,10,12
11	Count all the numbers divisible by 3 or 5 in given range	int countNumbersDivisibleBy3Or5(int minValue, int maxValue)	1,47	21
			55,112	27
			90,400	146
12	Given two int values, return their sum. Unless the two values are the same, then return double their sum.	int sumDouble(int number1, int number2)	sumDouble(1, 2)	3
			sumDouble(3, 2)	5
			sumDouble(2, 2)	8
13	Given two int values, a and b, return true if either one is 7 OR if their sum or difference is 7	boolean isOneNumberOrSumOrDiffIs7(int a, int b)	isOneNumberOrSumOrDiffIs7(4,3)	TRUE
			isOneNumberOrSumOrDiffIs7(2,4)	FALSE
			isOneNumberOrSumOrDiffIs7(7,7)	TRUE
14	Given three ints a b c, return true if it is possible to add two of the ints to get the third.	boolean twoAsOne(int a, int b, int c)	twoAsOne(1, 2, 3)	TRUE
			twoAsOne(3, 1, 2)	TRUE
			twoAsOne(3, 2, 2)	FALSE
15	Given three ints, a b c, return true if they are in strict increasing order, such as 2 5 11, or 5 6 7,	boolean inOrderEqual(int a, int b, int c, boolean equalOk)	inOrderEqual(2, 5, 11, false)	TRUE
	but not 6 5 7 or 5 5 7. However, with the exception that if "equalOk" is true,		inOrderEqual(5, 7, 6, false)	FALSE
	equality is allowed, such as 5 5 7 or 5 5 5.		inOrderEqual(5, 5, 7, true)	TRUE
16	Given two int values, return whichever value is larger. However if the two values have the same	int maxMod5(int number1, int number2)	maxMod5(2, 3)	3
	remainder when divided by 5, then the return smaller value. However, in all cases, if the two values		maxMod5(6, 2)	6
	are the same, return 0.		maxMod5(3, 2)	3

17	A student takes an exam, if he scores	char findGradeOfStudent(int score)	findGradeOfStudent(82)	A
	less than 40 - F Grade		findGradeOfStudent(44)	E
	41-50 - E Grade		findGradeOfStudent(17)	F
	51-60 - D Grade			
	61-70 - C Grade			
	71-80 - B Grade			
	81-90 - A Grade			
	91-100 - A+ Grade			
18	Take character input from user, if char is	String userInput(char userChar)	userInput(A)	Upper case
	between a - z: Show "Entered character is in lower case"		userinput(@)	Invalid input
	between A - Z: Show "Entered character is in upper case"		userinput(6)	Number
	between 0 - 9: Show "Entered character is Number"			
	For any other character: Show "Invalid input"			
19	Take number from user	int dispalyNumberBasedOnInput(int number)	dispalyNumberBasedOnInput(9)	28
	if number is odd - multiply number by 3 and then add 1 and return that number		dispalyNumberBasedOnInput(12)	6
	if number is even - return half of that number		dispalyNumberBasedOnInput(33)	100
20	Take two number from user - number1 and number2	double giveResultOfOperation(double number1, double number2, int operation)	giveResultOfOperation(43,64,1)	107
	Then take value for the operation variable		giveResultOfOperation(2,21,3)	42
	if operation = 1: return number1 + number 2		giveResultOfOperation(44,5,4)	8.8
	if operation = 2: return number1 - number 2			
	if operation = 3: return number1 * number 2			
	if operation = 4: return number1 / number 2			
	**** END ****			