

EASTERN MEDITERRANEAN UNIVERSITY

2019-2020 SPRING SEMESTER

**CMPE-112**

**LAB 2 – ASSIGNMENT 1**

**Creator**

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**MAY 2020**

**1.** Write a program that reads the radius of the circle inscribed inside the square and based on that it will print the values of red and yellow areas, shown in the figure below. Print the values with 2 digits after decimal point. Define the value of π(3.1416) as a constant.



**2.** Write a C code that reads two integer numbers and one operator (+, -, \*,/), and then perform the required operation.



**3.** **A:**Write a C program that will read the value of the inputs A, B, and C, and then check for the following conditions and do the corresponding tasks: ¬If Disc > 0, then find the roots X1 and X2 and then display the result as, The roots are different: X1=........ X2=......... ¬If Disc = 0, then find the roots X1 and X2 and ten display the results as The roots are equal: X1 = X2=.......... ¬If Disc <0, then display the following message: The roots are imaginary.



**3. B:**Re-write the same code by using switch statement rather then if/else.

