

Quiz 1

1. Consider the following program. What will be printed if the user enters "5" for the radius? (You may use a calculator). r = 0PI = 3.14 #Close enough! # Formula for the perimeter of a circle given its radius C = 2 * PI * r# Get the radius from the user r = float(input("Enter the circle's radius: ")) # Print the circumference print("Circumference is ", C) 2. What is the result of each expression? (a) (5 > 4) and (3 == 5)(b) not (5 > 4)(c) (5 > 4) or (3 == 5)(d) not ((5 > 4) or (3 == 5))(e) (True and True) and (True == False) (f) (not False) or (not True) 3. In the following program, i, j and k are variables which have been previously assigned to. if i < j: if j < k: i=j else: j=kelse: if j > k: j=i else: i=k print("i =", i, " j =", j, " k =", k) What will the code print if the variables i, j and k have the following values? (a) i=3, j=5, k=7(b) i=5, j=7, k=3(c) i=7, j=3, k=54. Are the following programs equivalent? (a) user_input = 1 (b) while True: while user_input % 2: user_input = int(input("Enter a number")) user_input = int(input("Enter a number")) if user_input % 2 == 0: if user_input % 2 == 1: print("You entered an even number!") continue break print("You entered an even number!") continue