1. Which of the following is not a core datatype in python?

Ans – B

2. Which of the following is an invalid variable name in python?

Ans – D

3. Which one of the following is a keyword in python?

Ans – A

4. In which of the following manner are the operators of the same precedence executed in python?

Ans – A

5. Arrange the following in decreasing order of the precedence when they appear in an expression in python?

Ans – C

6. (28//6) **3/3%3 =?

Ans – C

7. a = input (“Enter an integer”). What will be the data type of a?

Ans – B

8. Which of the following statements are correct?

Ans – A and D

9. Which of the following is(are) valid statement(s) in python?

Ans – B

10. Which of the following is not equal to x16 in python?

Ans – C

11. Differentiate between a list, tuple, set and dictionary?

Ans - A list is a collection of ordered data. A tuple is an ordered collection of data. A set is an unordered collection. A dictionary is an unordered collection of data that stores data in key-value pairs.

12. Are strings mutable in python? Suppose you have a string “I+Love+Python”, write a small code to replace ‘+’ with space in python.

Ans - input_string. replace ("+", " "). The resulting modified string is stored in a new variable output_ string, and we print the value of output_string to confirm that the replacement was successful.

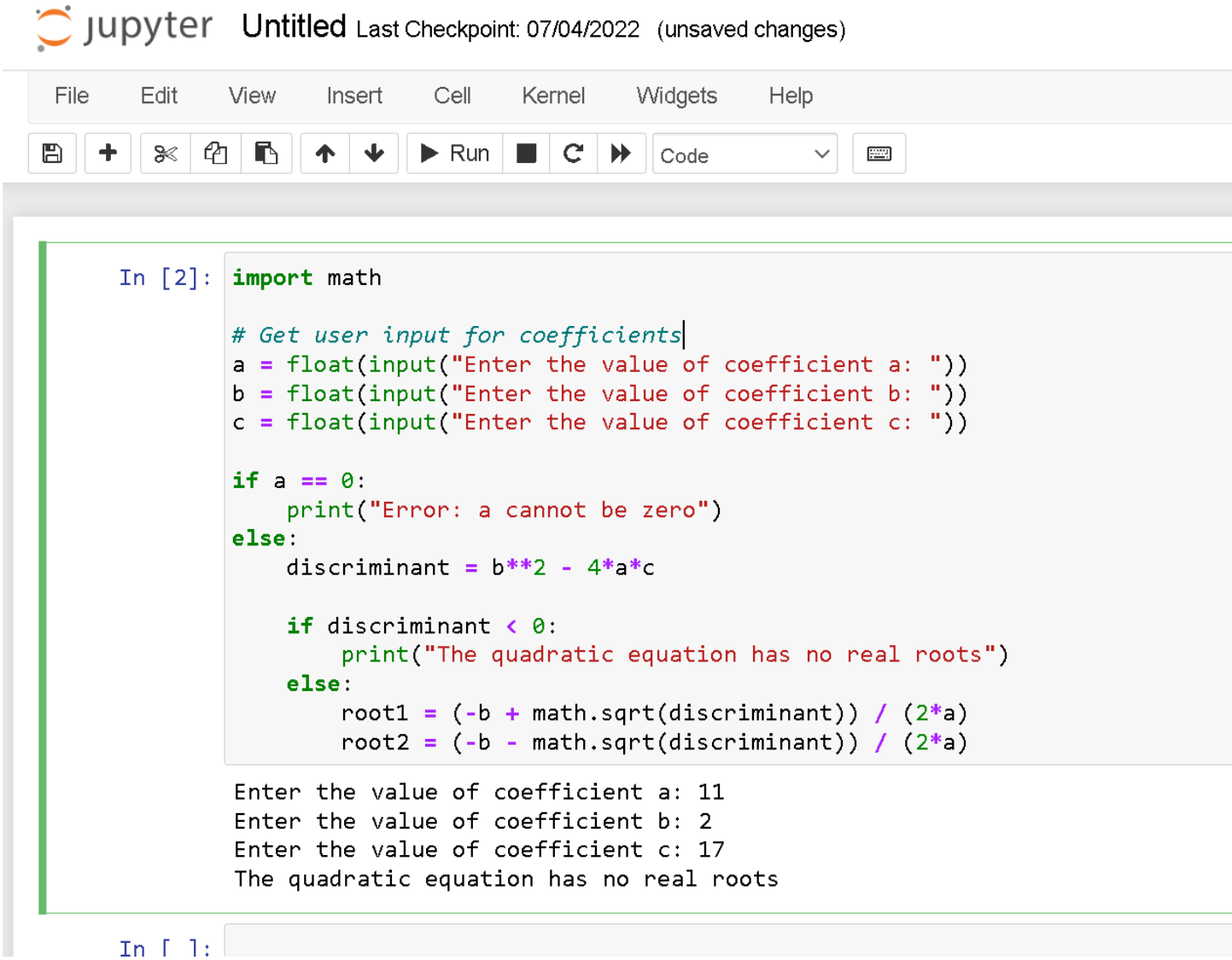
13. What does the function Ord () do in python? Explain with an example. Also, write down the function for getting the data type of a variable in python.

- Ans - The Ord () function returns the number representing the Unicode code of a specified character.
- Ord () Syntax. The syntax of Ord () is: Ord (Ch)
- Ord () Parameters. The Ord () function takes a single parameter:

- Ord () Return Value. The Ord () function returns an integer representing the Unicode character.
- Example: How Ord () works in Python? print (Ord ('5')) # 53. print (Ord('A')) # 65. print (Ord ('$')) # 36. Run Code.

14. Write a python program to solve a quadratic equation of the form ax^2+bx+c=0. Where a, b and c are to be taken by user input. Handle the erroneous input, such as 'a' should not be equal to 0

Ans -



15. Write a python program to find the sum of first ‘n’ natural numbers without using any loop. Ask users to input the value of ‘n’.

Ans-