Assignment-2

Assignment Questions

Q1. How do you comment code in Python? What are the different types of comments?

Ans - using # and “”” “””

Q2. What are variables in Python? How do you declare and assign values to variables?

Variables stored value in memory

Ans - int, float, char, str

a= 90

a=”answers”

a=2.0

Q3. How do you convert one data type to another in Python?

int(“5”)

str(10)

Using typecasting

Q4. How do you write and execute a Python script from the command line?

Python script.py

Q5. Given a list my\_list = [1, 2, 3, 4, 5], write the code to slice the list and obtain the sub-list [2, 3].

my\_list=[1,2,3,4,5]

print(my\_list[1:4]

Q6. What is a complex number in mathematics, and how is it represented in Python?

3i+4j

Q7. What is the correct way to declare a variable named age and assign the value 25 to it?

age=25

Q8. Declare a variable named price and assign the value 9.99 to it. What data type does this variable belong to?

Price = 9.99

float

Q9. Create a variable named name and assign your full name to it as a string. How would you print the value of this variable?

name=”aniruddha kamble”

print(name)

Q10. Given the string "Hello, World!", extract the substring "World".

s=”Hello, World”

print(s[7:])

Q11. Create a variable named "is\_student" and assign it a boolean value indicating whether you are currently a student or not.

is\_student=false

Note: Create your assignment in Jupyter notebook and upload it to GitHub & share that github repository

link through your dashboard. Make sure the repository is public.

Data Science Masters 2.0