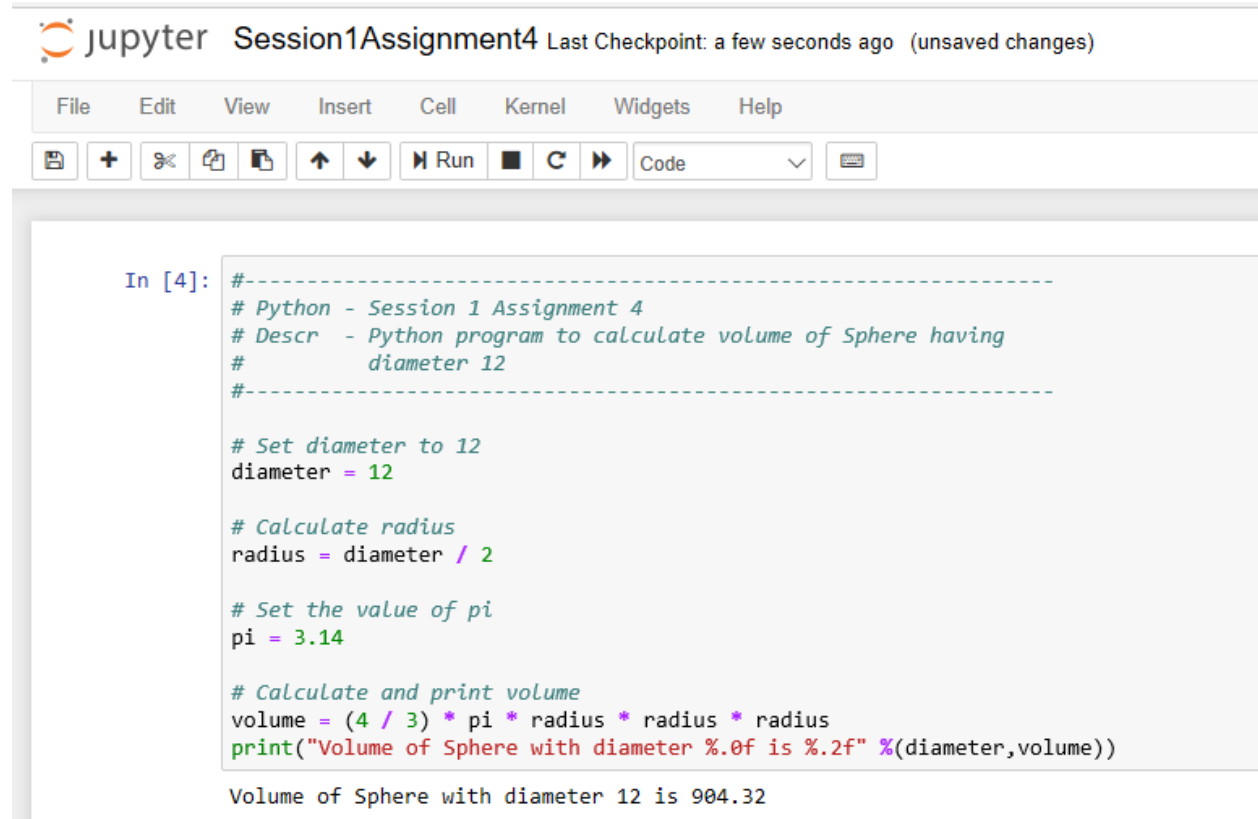


Session 1 Assignment 4

Calculate volume of Sphere



The image shows a Jupyter Notebook interface. At the top, the title bar reads "jupyter Session1Assignment4" followed by "Last Checkpoint: a few seconds ago (unsaved changes)". Below the title bar is a menu bar with options: File, Edit, View, Insert, Cell, Kernel, Widgets, and Help. Under the menu bar is a toolbar with icons for saving, adding a new cell, undo, redo, running, and other standard Jupyter actions. The main area of the notebook contains a code cell labeled "In [4]:". The code in the cell is a Python program to calculate the volume of a sphere with a diameter of 12. The code includes comments for each step: setting the diameter, calculating the radius, setting the value of pi, and calculating and printing the volume. The output of the code is displayed below the code cell.

```
In [4]: #-----  
# Python - Session 1 Assignment 4  
# Descr - Python program to calculate volume of Sphere having  
#         diameter 12  
#-----  
  
# Set diameter to 12  
diameter = 12  
  
# Calculate radius  
radius = diameter / 2  
  
# Set the value of pi  
pi = 3.14  
  
# Calculate and print volume  
volume = (4 / 3) * pi * radius * radius * radius  
print("Volume of Sphere with diameter %.0f is %.2f" %(diameter,volume))  
  
Volume of Sphere with diameter 12 is 904.32
```