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**Exercise 2**

**(1)Practice with the syntax of sequences (list, tuple, and string) mentioned in the content shared**

**(2)Create an employee database having record for 5-10 employees in it. The attributes for an employee record are his/her name, age, salary, address.**

**CODE**

**#Program 1**

**# Assigning string to a variable**

**a = "This is a string"**

**print (a)**

**s = "Hello World"**

**for i in s :**

**print (i)**

**# Declaring a list**

**L = [1, "a" , "string" , 1+2]**

**print L**

**L.append(6)**

**print L**

**L.pop()**

**print L**

**print L[1]**

**L2 = [1, 4, 5, 7, 8, 9]**

**for i in L2:**

**print (i)**

**tup = (1, "a", "string", 1+2)**

**print(tup)**

**print(tup[1])**

**#Program 2**

**class Person():**

**def \_\_init\_\_(self, per\_name, per\_age):**

**self.name = per\_name**

**self.age = per\_age**

**def display1(self):**

**print("Name:", self.name)**

**print("Age:", self.age)**

**# subclass**

**class Employee(Person):**

**def \_\_init\_\_(self, emp\_name, emp\_age, emp\_salary, emp\_address):**

**super().\_\_init\_\_(emp\_name, emp\_age)**

**self.salary = emp\_salary**

**self.address=emp\_address**

**def display2(self):**

**super().display1()**

**print("Salary:", self.salary)**

**print("Address:", self.address)**

**emp= Employee("MERU NATH TIWARI", 21, 90000, "Mahoba, Uttar Pradesh")**

**emp1= Employee("Rahul Gusain", 19, 100000, "Dehradun, Uttarakhand")**

**emp2= Employee("Rohit Kumar", 19, 95000, "Bhagalpur, Bihar")**

**emp3= Employee("Hiya Chopra", 18, 98000, "Dehradun, Uttarakhand")**

**emp4= Employee("Anshul Pandey", 19, 94000, "Dehradun, Uttarakhand")**

**emp5= Employee("Vanshika Awasthi", 18, 95420, "Jhansi, Uttar Pradesh")**

**emp6= Employee("Vaishali Saxena", 26, 120000, "Kanpur, Uttar Pradesh")**

**emp7= Employee("Monika Manglik", 200000, 2000, "Dehradun, Uttarakhand")**

**emp8= Employee("Nilima Salankar Fulmare", 89, 100, "Dehradun, Uttarakhand")**

**emp9= Employee("Avita Katal", 36, 150, "Dehradun, Uttarakhand")**

**emp.display2()**

**print("\n\n")**

**emp1.display2()**

**print("\n\n")**

**emp2.display2()**

**print("\n\n")**

**emp3.display2()**

**print("\n\n")**

**emp4.display2()**

**print("\n\n")**

**emp5.display2()**

**print("\n\n")**

**emp6.display2()**

**print("\n\n")**

**emp7.display2()**

**print("\n\n")**

**emp8.display2()**

**print("\n\n")**

**emp9.display2()**