**Design the required class/es so that the following output is generated.**

| **Driver Code** | **Output** |
| --- | --- |
| **ash = Trainer("Ash Ketchum")**  **pikachu =Pokemon("Pikachu","Electric")**  **ash.addToTeam(pikachu)**  **print("1============================")**  **charmander = Pokemon("Charmander","Fire")**  **lucario = Pokemon("Lucario","Steel","Fighting")**  **ash.addToTeam(charmander,lucario)**  **print("2============================")**  **gengar= Pokemon("Gengar","Poison","Ghost")**  **ash.addToTeam(gengar)**  **print("3============================")**  **ash.swapPokemon(pikachu,gengar)**  **print("4============================")**  **print(ash.trainerDetails())**  **print("5============================")**  **gary = Trainer("Gary Oaks")**  **umbreon = Pokemon("Umbreon","Dark")**  **squirtle = Pokemon("Squirtle","Water")**  **nidoking = Pokemon("Nidoking","Ground","Poison")**  **gary.addToTeam(umbreon,squirtle,nidoking)**  **print("6============================")**  **arcanine=Pokemon("Arcanine","Fire")**  **gary.swapPokemon(squirtle,arcanine)**  **print("7============================")**  **print(gary.trainerDetails())** | **Pikachu has been added to Ash Ketchum's team**  **1============================**  **Charmander has been added to Ash Ketchum's team**  **Lucario has been added to Ash Ketchum's team**  **2============================**  **Can't add more pokemon. Swap pokemon to change team**  **3============================**  **Pokemon swapped. Gengar has been added to Ash Ketchum's team**  **4============================**  **Team of Ash Ketchum:**  **Pokemon Name: Charmander, Primary Type: Fire, Secondary Type: None**  **Pokemon Name: Lucario, Primary Type: Steel, Secondary Type: Fighting**  **Pokemon Name: Gengar, Primary Type: Poison, Secondary Type: Ghost**  **5============================**  **Umbreon has been added to Gary Oaks's team**  **Squirtle has been added to Gary Oaks's team**  **Nidoking has been added to Gary Oaks's team**  **6============================**  **Pokemon swapped. Arcanine has been added to Gary Oaks's team**  **7============================**  **Team of Gary Oaks:**  **Pokemon Name: Umbreon, Primary Type: Dark, Secondary Type: None**  **Pokemon Name: Nidoking, Primary Type: Ground, Secondary Type: Poison**  **Pokemon Name: Arcanine, Primary Type: Fire, Secondary Type: None** |