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| Exam | : | M03\_Exeevd05 | Date | | | : | 13/1/2024 | | | |
| Tsp | : | AT. | Duration | | | : | 20m(s) | | | |
| Module | : | III | Total | : | 20+30 | | | Obtained | : |  |
| Batch | : | WADA/ACSL-A/58/1 | Trainee id | | | : |  | | | |
| Instructor | : | Shahanaj begum | Trainee name | | | : |  | | | |

1. Create a class named Person with variables name and age. Implement a method PrintDetails() that prints the person's name and age. Add an overloaded version of the PrintDetails() method in the Person class that takes an additional parameter for a custom message and prints the message along with name and age.
2. Introduce a variable totalCount in the Person class to keep track of the total number of Person objects created. Update the constructor to increment this variable.
3. Make the name variable private and provide a public method SetName(string newName) to set the name. Ensure that the name is not set to an empty string.
4. Create a new class Employee that inherits from the Person class. Add an additional variable salary. Implement a method PrintEmployeeDetails() that prints the employee's details, including salary.
5. Override the PrintDetails() method in the Employee class to include the salary information. Call this overridden method for an instance of the Employee class.
6. Create an array of Person objects and populate it with different people. Iterate through the array and call the PrintDetails() method for each person.
7. Add multiple constructors to the Person class, allowing object creation with just a name, just an age, or both. Update the constructors to set default values if parameters are not provided.