

Q1. To create an object myCar of class Car, which syntax is correct?

Answer: Car myCar = new Car();

Q2. Given an object person of class Person with a field age, how do you access the age field?

Answer: person.age;

Q3. In Java, a constructor...

Answer: Is used to initialize objects.

Q4. Best way to initialize a Customer object with specific data or default values?

Answer: Use a parameterized constructor for specific data and a no-arg constructor for default values.

Q5. Method signature for celsiusToFahrenheit:

Answer: double celsiusToFahrenheit(double temperature)

Q6. True or False: In Java, the this keyword refers to the current instance of the class.

Answer: True

Q7. Print all even numbers from 2 to 20:

Answer: for (int i = 2; i <= 20; i += 2) { System.out.println(i); }

Q8. Ensure loop executes at least once (even if list empty):

Answer: do { if (i < items.length) System.out.println(items[i]); i++; System.out.println("in loop"); } while (i <= items.length);

Q9. Output of while loop:

Answer: 5 4 3 2 1

Q10. If-else for voting eligibility (age >= 18 eligible):

Answer: if (age >= 18) { eligibility = "Eligible to vote"; } else { eligibility = "Not eligible to vote"; }

Q11. Correct switch for calculator (+, -, *):

Answer: switch (operation) { case '+': result = number1 + number2; break; case '-': result = number1 - number2; break; case '*': result = number1 * number2; break; }

Q12. Method to get number of characters in a String:

Answer: length()

Q13. Correct declaration of itemsInCart initialized to zero:

Answer: int itemsInCart = 0;

Q14. Call parent's calculateSalary() method in Manager:

Answer: `super.calculateSalary();`

Q15. True or False: public makes a member accessible from any class in any package.

Answer: True