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BSIT 307
06 Quiz 1 - ARG

1. Select the four (4) statements that can be inserted at line n1. (3 pts. each)

The four statement that can be inserted at line n1

- **employee.salary = 50000;**
- **manager.budget = 100000;**
- **director.stockOptions =1000;**
- **director.salary = 80000;**

```java
public class Employee {
    public int salary;
}
public class Manager extends Employee {
    public int budget;
}
public class Director extends Manager {
    public int stockOptions;

    public static void main(String[ ] args) {
        Employee employee = new Employee();
        Manager manager = new Manager();
        Director director = new Director();
        //line n1
    }
}
```

2. Will the code compile? If yes, determine the output. If no, state why. (3 pts.)

```java
class Pet {
    public Pet(int age) {
        System.out.print("Pet");
    }
}
public class Cat extends Pet {
    public Cat() {
        System.out.print("Cat");
    }
    public static void main(String[ ] args) {
        new Pet(5);
    }
}
```

No, the code will not compile since the program has two methods that are not specified in the main function, and when you declare an object, it must look like this: Pet dog = new Pet(), but the program just declared new Pet(5), which is wrong.