

1. What is Encapsulation in java? Why is it called data hiding?

Ans- Binding of data and corresponding methods into a single unit is called Encapsulation. Using of private modifiers, it is called data hiding.

2. What are the important features of Encapsulation?

Ans- Data security and maintainability are the important features of Encapsulation.

3. What are getter and setter methods in java explain with an example

Ans- Getter and setter are the methods that use respectfully to get and data and set data.

```
package Encapsulation;
class Child {
    private String name;
    public void setName(String name){
        this.name=name;
    }
    public String getName(){
        return name;
    }
    public void dis(){
        System.out.println("Name is "+ name);
    }
}
public class ExSetGet {
    public static void main(String[] args) {
        Child c=new Child();
        c.setName("Ram");
        c.getName();
        c.dis();
    }
}
```

4. What is the use of this keyword explain with an example?

Ans- This keyword is used to hold the address of active object.

```
package Encapsulation;
class Child {
    private String name;
    public void setName(String name){
        this.name=name;
    }
}
```

```

    public String getName(){
        return name;
    }
    public void dis(){
        System.out.println("Name is "+ name);
    }
}
public class ExSetGet {
    public static void main(String[] args) {
        Child c=new Child();
        c.setName("Ram");
        c.getName();
        c.dis();
    }
}

```

5. What is the advantage of encapsulation?

Ans- The advantage of encapsulation is data hiding and data security.

6. How to achieve encapsulation in java? Give an example.

Ans- Encapsulation is achieve with the help of setter and getter, this keyword.

```

package Encapsulation;
class Child {
    private String name;
    public void setName(String name){
        this.name=name;
    }
    public String getName(){
        return name;
    }
    public void dis(){
        System.out.println("Name is "+ name);
    }
}
public class ExSetGet {
    public static void main(String[] args) {
        Child c=new Child();
    }
}

```

```
c.setName("Ram");  
c.getName();  
c.dis();  
}  
}
```