Core Java:

1. what is encapsulation?

Ans: it is the way to bind the member and function member in one unit.

Rules:

1. all data members are declared as private so it will not be accessibly outside the world .

2. data members are access by using public setters and getters methods

3. to hide the data member for outside the world is known as Data Hiding.

EX : java pojo classes

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2. what is Abstraction?

Ans: it is the technique which can show only the requires features and hide the all implementation of it.

Points:

1. to achieve the higher level of abstraction we need to include the Interface in our program.

2. or if you want to full fill the abstraction in the program the we need to use abstract class and interface.

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3. Difference between abstraction and encapsulation in java 8?

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| Abstraction | Encapsulation |
| 1. It is the technique to getting data | 1. it the way to storing the data member |
| 1. It helps to solve the problems as the design and interface level | 1. It is solving the problems at implementation level on class. |
| 1. It is use to hide the unwanted data form outside | 1. It is use to hide the data and bind it into signal unit |
| 1. We need to use the interface and abstract class to achieve it | 1. We need to use access modifier (like public, private, protected, default) to achieve it |
| 1. To hide the complexities of methods by using the interface and abstract class. | 5. data Hide using the setter and getter methods |
| 1. Focused on what should done | 1. Focused on why should done |
| 1. it will provide access on the specific part of data | 1. It is hide the data and user cannot access the data in same direction (data hiding) |