Assignment:-
Optional vs NULL

1) Which option describes a true advantage of Optional class?
   a)It can convert a NullPointerException into a NoSuchElementException
   b) It makes the code easier to read.
   c) As the return type of a method, it allows you to deal explicitly with the possibility of an empty result.
   d) It allows you to check for nulls using more readable and concise methods.

2) Which method from Optional allows you to chain many Optional instances?
   a)of
   b)map
   c)flatMap
   d)orElse

3) In the following piece of code, why is flatmap used instead of map?

```
public String getCarInsuranceName(Optional<Person> person) {
    return person.flatMap(Person::getCar)
                 .flatMap(Car::getInsurance)
                 .map(Insurance::getName)
                 .orElse("Unknown");
}
```
A default value if the resulting Optional is empty

4) Why should Optionals not be used as fields in DTOs(Data transfer Objects)?
5) Is optional always a better choice than null?
6) Select the correct statement(s):
   1. Optional objects are non serializable.
   2. Heap size decreases by the virtue of using optional.
   3. Optional objects can be null.

7) Can you run methods on empty optional?