Q8)

1. Hiding data
2. More Flexibility
3. Easy to reuse

Q9)

Line 7: Test .id = 45 ;

Q10)

```
┌─────────────────────────────────────────────┐
│                  Account                      │
├─────────────────────────────────────────────┤
│  - id    int                                  │
│  - balance   double                           │
│  - annual Interest Rate  double               │
│  - date created    Date.                      │
├─────────────────────────────────────────────┤
│  + get id ( )  int                            │
│  + get balance ()  double                     │
│  + get annual(Interest Rate) double           │
│  + get date created()  Date                   │
│  + Set id (int)                               │
│  + Set balance (double)                       │
│  + Set annual int erest Rate (double)         │
│  + get Monthly Interest Rate ( double ) double│
│  + get Monthly Interest () double             │
│  + Withdraw (double)                          │
│  + deposit (double)                           │
└─────────────────────────────────────────────┘
```

Q6

a) The output is (A's no-arg constructor is invoked).

A is A

b) The problem in constructor B (Need To be invoked by syaper).

Q7) Saper need To be invoked in base class constructor

Q8) it's and overriden method.

Q9) yes.