

# Inheritance, packages

# Question 1

```
class A{  
A(int i){ this.i=i;}  
int i;  
}  
class B extends A{ }
```

Which of the following is true about the code above?

- A. The code does not compile because there is no constructor defined in B
- B. The code does not compile because no-argument constructor is not defined in A
- C. The code does not compile because no-argument constructor is not defined **in B**
- D. The code compiles fine

## Question 2

```
package a;  
  
public class A{  
    protected int i;  
}  
  
package b;  
  
public class B extends A{  
    void f(A a){  
  
    }  
}
```

Which of the following is accessible in the method f()?

- A. `this.i`
- B. `a.i`
- C. `super.i`
- D. None of the above.

# Question 3

```
class A {  
public static void f() {  
System.out.println("fA");    }}  
class B extends A{  
public void f() {  
System.out.println("fB");    }  
public static void main(String[] args) {  
A a= new B();  
a.f();    }}
```

What will happen on compilation or execution of code?

- A. fA
- B. fB
- C. Code will not compile
- D. Code will throw runtime error