Class , interface and abstract

```java
class A {
    void getData() {
        System.out.println("A");
    }
}

class B extends A {
    void getData() {
        System.out.println("B");
    }
}

public class Main
{
    public static void main(String[] args) {
        A x = new B();
        x.getData();
    }
}
```

Output : B

```java
class A {
    void getData() {
        System.out.println("A");
    }
}

class B extends A {
}

public class Main
{
    public static void main(String[] args) {
        A x = new B();
        x.getData();
    }
}
```

Output : A

```java
class A {
    void getDataA() {
        System.out.println("A");
    }
}

class B extends A {
    void getDataB() {
        System.out.println("B");
    }
}

public class Main
{
    public static void main(String[] args) {
        A x = new B();
        x.getDataB();
    }
}
```

Output : Compile error - cannot find getDataB

```java
class A {
    void getData() {
        System.out.println("A");
    }
}

class B extends A {
    void getData() {
        System.out.println("B");
    }
}

public class Main
{
    public static void main(String[] args) {
        B x = new B();
        x.getData();
    }
}
```

Output : B

```java
class A {
    void getDataA() {
        System.out.println("A");
    }
}

class B extends A {
    void getData() {
        System.out.println("B");
    }
}

public class Main
{
    public static void main(String[] args) {
        B x = new B();
        x.getDataA();
    }
}
```

Output : A

Interface

```java
public class Main {
    public static void main(String[] args) {
        A obj = new B();
        obj.print();
    }
}

public interface A {
    void print();
}

public class B implements A{
    @Override
    public void print() {
        System.out.println("B");
    }
}
```

Output : B

```java
public class Main {
    public static void main(String[] args) {
        A obj = new B();
        obj.print();
    }
}

public interface A {
    default void print() {
        System.out.println("A");
    }
}

public class B implements A{

}
```

Output : A

```java
public class Main {
    public static void main(String[] args) {
        A obj = new B();
        obj.print();
    }
}

public interface A {
    default void print() {
        System.out.println("A");
    }
}

public class B implements A{
    @Override
    public void print() {
        System.out.println("B");
    }
}
```

Output : A

```java
public class Main {
    public static void main(String[] args) {
```

```java
        A obj = new B();
        obj.print();
    }
}

public interface A {
}

public class B implements A{
    public void print() {
        System.out.println("B");
    }
}
```

Output : Compile error - Cannot resolve method 'print' in 'A'