

OOS LAB-7

Aditya Satish Kumar  
IBN19CS191

Q.

Ans `import java.util.*;`  
`import java.lang.*;`

```
class gen <A, B, C> {
```

```
    A ob1;
```

```
    B ob2;
```

```
    C ob3;
```

```
    gen (A x, B y, C z) {
```

```
        ob1 = x;
```

```
        ob2 = y;
```

```
        ob3 = z;
```

```
    }
```

```
void showTypes() {
```

```
    System.out.println("Type of A is: " + ob1.getClass().getName());
```

```
    System.out.println("Type of B is: " + ob2.getClass().getName());
```

```
    System.out.println("Type of C is: " + ob3.getClass().getName());
```

```
}
```

```
A.getob1() {
```

```
    return ob1;
```

```
}
```

```
B.getob2() {
```

```
    return ob2;
```

```
}
```

```
C.getob3() {
```

```
    return ob3;
```

```
}
```

```
}
```



Aditya Satish Kumar  
IBM19C8191

```
class Generics {
```

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

```
        gen <Integer, String, Double> getObj =
```

```
        new gen <Integer, String, Double> (45, "Generics", 420.48);
```

```
        objObj.showTypes();
```

```
        int a = objObj.getObj1();
```

```
        System.out.println("Value: " + a);
```

```
        String b = objObj.getObj2();
```

```
        System.out.println("Value: " + b);
```

```
        double c = objObj.getObj3();
```

```
        System.out.println("Value: " + c);
```

```
    }
```

```
}
```