

Cap Program 7

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```
import java.util.Scanner;
```

```
class GenericExample <T, U> {  
    public T obj1;  
    private T obj2;
```

```
    public GenericExample (T obj1, U obj2) {  
        System.out.println("Printing " + obj1.getClass().getName() +  
            " and " + obj2.getClass().getName());  
        System.out.println(obj1);  
        System.out.println(obj2);  
        this.obj1 = obj1;  
        this.obj2 = obj2;  
    }
```

```
    public void printGenerics () {  
        System.out.println("Printing objects");  
        System.out.println(obj1);  
        System.out.println(obj2);  
    }
```

```
}
```

```
class GenericMain {
```

```
    public static void Main (String args[]) {  
        Scanner s = new Scanner (System.in);  
        System.out.println("Enter Name and Age");  
        String name = s.next();  
        int String age = s.nextInt();
```

```
        GenericExample<String, Integer> gen1 = new  
            GenericExample<String, Integer>  
                (name, age);
```

```
        System.out.println("Enter the GPA and grade");
```

```
        double gpa = s.nextDouble();
```

```
        char grade = s.next().charAt(0);
```

Generic Example < Double, Character > gen2 =

Generic Example < Double, Character >
(cpga, grade);

}

}

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import java.util.Scanner;

```
class AgeException extends Exception {  
    private String exceptionMessage;  
    public AgeException (String exceptionMessage)  
    {
```

this.exceptionMessage = exceptionMessage;

}

```
    public String toString () {
```

return (this.exceptionMessage);

}

}

```
class Father {
```

private String father-name;

private int father-age;

```
    public Father (String father-name, int  
                  father-age)
```

{
 this.father-name = father-name;

this.father-age = father-age;

}

```
    public String getFatherName () {
```

return this.father-name;

}

```
    public String getFatherAge () {
```


System.out.println("sum");

}

catch (AgeException e) {

System.out.println(e);

}

}

}