Exceptions

Week-10 / Md. Amen Taigab

```
import java.util.scanner;
class wrongAge extends Exception {
  int age;
Wrong Age (int x) {
    aege = x;
  }
public string to string(){
  return "AGE OF SON" = +age + " IS ENTERED
  INCORRECTLY";
  }
}
class father {
  int a;
  father (int x){
    a = x;
  }
}
class son extends father {
int age;
```

```
Son (int fage, int sage){
    super (fage);
    age = sage;
}
void computeA() throws WrongAge {
    if (age >=a){
        throw new WrongAge (age);
    } else{
    System.out.println ("The Ages are Entered
    CORRECTLY");
System.out.println (" Father's Age = " + a + "
    + " SON's AGE = " + age);
    }
}
}
class ExceptionsMain{
public static void main (String args[]){
    Scanner s = new Scanner (System.in);
    System.out.println ("Enter FATHER's AG
    int f = s.nextInt();
    System.out.println ("Enter SON's Age :");
```

```
int so = s.nextInt();
son ss = new son(f, so);
  try {
    ss.compute();
  } catch (WrongAge e){
    System.out.println(e);
  }
}
}
```

Generics :

Week 10 / Md. Aman Faiyab

```
class Gen <T, U, V> {

  T ob1;
  U ob2;
  V ob3;

Gen (T o1, U o2, V o3) {

    Ob1 = o1;
    ob2 = o2;
    ob3 = o3;

}

void showTypes () {

system.out.println ("Type of T object is "+
      ob1.getclass().getName());

system.out.println ("Type of U object is "+
      ob2.getclass().getName());

system.out.println ("Type of V object is "
      + ob3.getclass().getName());

}
```

```
T get ob1 (){
  return ob2;
}
V get ob3 (){
  return ob3;
}
}

class Genrics {
public static void main (String args[]) {
Gen ( Integer , Double, String ) genOb = new Gen
  < Integer, Double , String > (15, 99.457, "
  Aman Jaiyal ");

genOb . show Types ();
int t = genOb.get ob1 ();
System . out . println ("value in T: " + t );
Double = genOb . getob2 ();
System. out. println ("value in U : " + U);
String V = genOb. get ob3 ();
system. out println ("value in V: " + V);
} }
```