Assignment No-07. Ref. No.: 63 Implement a generic program using any collection class to count the number of elements in a collection that have a specific property such as even numbers, odd number, prime number and polindromes Theory i Generics in Java: The Java Generics programming is introduced in JISE 5 to deal with type-safe objects, It makes the the rode stable by detecting the bugs at compile time. Before generics, we can store any type of objects in the collection. i.e non-generic Now generics force the java programmer to store a specifiti type of objects. We can hold only a single type of object in generics. It doesnot allow to store 1) Type- Safety. other objects. 2) Type casting is not required. 3) Compile - Time Checking

The is checked at compile time so problem

Ref. No.: 64 will not occur at time runtime. The good programming strategy says it is far better to handle the problem at compile time than runtime Example. importjava. util. \*; class Test Generics 1 { public static void main (String args[]) { Arraylist < String> list = new Array List (String> O; list.add ("rahu"); list.add ("jai"); String s = list get (1); System.out.println ("element is:" +5); Iterator < String > itr = list iterator (); while (itr. has Next ()) { system.out.println (itr. next ()); Conclusion: Hence, we have successfully implement a generic g program using any collection class