Name: B. Rakesh

REGNO! - 1921 11257

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## ASSIGNMENT-3

```
1. Arraylist operations:
    import java. Util. sconner
   Public class Arraylist operations ?
       Public static void main (string () args) {
           Array list < gn-reger > list = new Array list < > ();
              (ist . add (10):
               Libt , add (20);
               List. add(30);
               (ist. add(40):
               List. add (50);
        System. out. Print ( (ist):
         List remove (2):
        system. out printin (list):
         int search element = 40
        int index = list index of (search Element);
        is (index ! = -1) {
          System. out Println (sourch Element Lindex):
        3 0150 {
           system. out. Printin(search element);
        7
        system. out println ("Array list: ");
        for (snieger element : 1154) {
               System. Out. Println (element).
         3
       7
```

```
2. Hash set operations:
    import java. util. Hashset;
    Public class Hashsel operations {
        Public static void main (String () args) ?
           Hashset < string > names = new tosheet < > ();
          names. add ("John"):
           names. add ("Alice");
           names. add ("Bob");
           names. add ("Daisy");
        system. out. println (names);
        names . remove (" Alice");
        System. out. print in (names).
        String search Name = "Bob".
         if (names, contains (searchname));
             System. Out. Print (n (search ware);
         3 e 150 }
             345tem. out. Println (sourch Mamo);
       System. out Println ("tashsers:");
              for (string namo: names) {
                   System. Out. Printin (namos);
```

```
priority quew operations:
import vava vill Priority queue ,
Public class priority queue operations {
     Public static void main (string () arss) {
  Priority que ue < string > employee que ue = new priority que ue of;
    employee que uc .add ("John").
     employee evere add ("Alice");
     employee queve. add ("BGb");
      employee queue. add(" Daisy");
    345tem. out. printin (employee queue);
   string highe of priority Employee = employee evene. Poil().
    SYSTEM. OUT. Println ( highest priority Employee)
    system. out. Println (employee queue);
```

```
4. Hashmap operations:
     import java. Util. Hashmap;
     Public class Hashmap operations:
         Public Static void main (string () args) {
       Hashmap < 3n-leger , string > students = new Hashmap < >();
          3+uden+5. Pu+ (101, "John");
          Students. Put (102, "Alice");
          students. PU+(103, "Bob"):
           540den+5. pu+ (104, "Daisy");
       system. out. Println (students)
        int sourch 80 = 103;
          if (students. contains key (search ID)) ?
               345tem. Out. Printin (students. get (sourch ED));
              System. out. Printin (" search ID not found");
       3 e use {
        students. remove (coz);
        system. out. println (students).
        System. out. Println ("tash map", ");
        for (Jashmap, Entry & Integer, String) entry; students emby sering
            System. out. print In (entry. get key () + entry get value ());
```