```
Lec-27
 24/08/24
       4:51 PM
                          Intraque
                                        = new collamoner)
                                                               21842. > 11=neu M
                                cobj= new P()
cobj= new c()i
     public static void main(String[] args) {
            // TODO Auto-generated method stub
            // case-1
            P obj = new P();
     //
            System.out.println(obj.d);// 1
            System.out.println(obj.d1);// 10
     //
     //
            obj.fun();
            obj.fun1();
            // case-2
            P \underline{obj} = new C();
         }
     public static void main(String[] args) {
            // TODO Auto-generated method stub
            // case-1
            P obj = new P();
     //
            System.out.println(obj.d);// 1
     //
            System.out.println(obj.d1);// 10
     //
     //
            obj.fun();
     //
            obj.fun1();
            // case-2
            P obj = new C();
            System.out.println(obj.d);//
            System.out.println(obj.d1);//
            System.out.println(obj.d2);
            obj.fun();
            obj.fun1();
            ((C) obj).fun2();
         }
                                                                  new c w
P. P. J. Con
                            Ols/ Elum
                                                          now AU
     public class DynamicStack extends Stack {
        @Override
        public void push(int item) {
        public static void main(String[] args)
           DynamicStack ds = new DynamicStack();
         ___ds.push(10);
           ds.push(20);
           ds.push(30);
           ds.push(40);
           ds.push(50);
           ds.push(60);
                                                          idx=XB MOXI
    public class DynamicStack extends Stack {
       @Override
       public void push(int item) throws Exception {
          if (super.isfull()) {
                                                                         20
            int[] a = new int[2 * arr.length];
              for (int i = 0; i < arr.length; i++) {</pre>
                                              an -) [10/23/23/23/23/60/60/15
              a[i] = arr[i];
}
arr = a;
           super.push(item);
       public static void main(String[] args) throws Exception {
      DynamicStack ds = new DynamicStack();
           ds.push(10); /
           ds.push(20);
           ds.push(30);
           ds.push(40);
           ds.push(50);
           ds.push(60); 

           ds.Display();
    }
                                                                    u2 / su
                                                                             (E+1)./cw
      public class DynamicQueue extends Queue {
          @Override
          public void Enqueue(int item) throws Exception {
            ~if (isfull()) {
                int[] a = new int[2 * arr.length];
                for (int i = 0; i < arr.length; i++) {</pre>
                    int idx = (front + i) % arr.length;
                    a[i] = arr[idx]; ()
                                                  ら
                                           20
             super. Enqueue(item);
                                             0
          public static void main(String[] args) throws Exception {
             DynamicQueue dq = \int new DynamicQueue(); 3
            dq.Enqueue(10);
             dq. Enqueue (20)
             dq.Enqueue(30);
```

dq.Enqueue(40);

dq.Enqueue(50);

dq.Enqueue(60);

dq.Enqueue(70);

dq. Enqueue (80);

dq.Display();

}

\$\footnote{\text{System.out.}} \rightarrow \text{System.out.} \rightarrow \text{println(dq.dequeue());}

System.out.printlp(dq.dequeue());