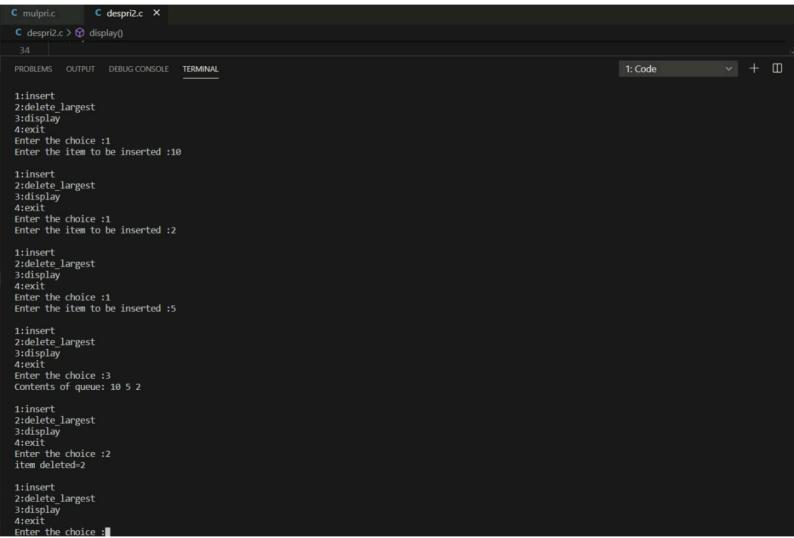
```
C despri2.c X
C despri2.c > (insert(int))
       int removeData(){
          return pq[--count];
       void display()
       if (count==0)
            printf("queue is empty\n");
       printf("Contents of queue: ");
for(i=0;i<count;i++)</pre>
            printf("%d ",pq[i]);
       printf("\n");
       int main() {
            int choice,item;
                 printf("\n1:insert\n2:delete_largest\n3:display\n4:exit\n");
printf("Enter the choice :");
scanf("%d",&choice);
switch(choice)
                      case 1:printf("Enter the item to be inserted :");
                      scanf("%d",&item);
                      insert(item);
```

case 2:item=removeData();



```
Derending Pri outy
# include Cstdio. h >
# indude (string. h)
 # define MAX 6
  int par [ MAK];
   int count = 0;
     void einsert (int data) ?
        int i=0;
           (count == MAX)
              printy (" onen Overflow (n'));
               return;
           3
         if (count==0) {
             par [count++] = duta;
          ]
elee
                 if (data > pay[i]) {
                    pay [i+1] = pay [i];
                   elu 9
                      break;
                 pgr [i+1] =data;
                   Count ++:
          int remove Dala () (
            :[ two -- Jpg neuter
          void dipluy ().
          fürt i;
          (0== trues) 4
```

```
prints ("quive is empty");
 return;
printy ("contents of queul: ");
  for ( [=0] i < count; i++)
   h pained ("% d", paci])
    pained ("\n");
     Tut mais () {
       unt choice item:
        for (:;)
       1 print/ ("In1. inuit In2: delite-largest In3: displayIn4exis);
          puint ("enter the choice");
            Scard (" % d", & choice);
              Switch (choice)
              care 1; painty ("Enter the item to be inserted:");
                      Scunf ("% d'; & Etem);
                         insert (item);
                          break;
                  Care 2: item = semore Data (1;
                       4 (tem ==-1)
                       print ("aneue & empty (h');
                        else.
                          print( " item deletel = " d (n", item);
                          break;
                        care 3: display();
                           break:
                         default : exit (0);
                     ]
```