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Lab Program - 3
Suprem to dimulate the working of
there of integers using an array Provide
4
# include < obdio. b >
# include aconio. b>
# include < stallib. b>
# define QUE_STZE #3
  int item, acros;
  int front=0, rear=-1;
  Void insertream
   if (rear = = QUE_SIZE - 1)
     Print ("avocue overflow/");
     return.
    4eax = 1eax + 1;
     VErear I-item:
     int delete-front)
      if (front > rear)
     front = 0
       reterro -1.
      return arthortotti
```

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( ) we solve bion
 int i;
 if (front >rear)
  Print+ ("Queue is Empty\n");
   return.
  Print (" contents of the Queue (");
   for (i=front; i = rear; i++)
  & Printfluobollor, arij);
 int main ()
g int choice;
  for(;;)
    Printf ("In1: Insert year In2: Delete front In 3: Display
     Printf (" Enter the choice \n");
                                         wa:exit/wi).
     Scaref ("o/od", & choice);
      switch (choice)
      case 1: Prints ("Enter the Item to be Inserted: 16");
              insertreary; litem);
```

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case 2: item=deletefront();
          if Citem == 1)
           Rint ("Queue 10 Empty (n");
          6/30
          Printf (" Item Deleted = %d/v", item);
         · Weak!
case 3: displayar();
         break;
default : exit(0);
                        CTiBe ( walled = ) 7 Jain
```