LAB - 3

Devide a program to stisimulak ten working of greate of integers using an away. Provide the following operations

- a) Insert Reca
- b) Delete front
- e) Display the Contents of quene

```
# include < staio. h>
# include < conio. h>
```

# include ( process. 4)

# défine QUE-8IZE 3

ind item, front = 0, rear = -1, 9[10];

void insertream()

if ( near = = BUE\_SIZE -1)

print[" Queue Overflow \"];

return;

stean = stean +1;

2[rear] = item;

?
int deletefront()

(noon < mont) fi

front =0;

MEO. 1 = -1;

return . -1;

return of front ++);

```
void display O()
    isti;
     } (room > reon) }
         prints (" Owene is empty \n");
          return!
      3
      printf (" ** Contents of Onene ** (");
      for ( i = front ; i < = reon ; i++ )
         ([[1]p, "ul b.x") Huira
       Void main () &
            int choice;
             dfor(;)
              printfl' un 1. insertion un 2. delete front
                       m 3. display my. exit m");
               printf(" Enter the Choice (");
               Scarf (" Y.d ", & choice);
                gwitch (choice)
                 Cose 1: printf (" enter the item to
                                 be inserted qu");
                          8 carf (" Y.d", L item);
                          insutreau(1;
                          break;
                  Cose 2! item = delete front();
                            if ( i tem == -1)
                            print (" Queue is Emply m")
```

```
else

printf (" Duene I fem deleted = Y.d (n",
i tem);

break;

Cose 3: display 8(1;
break;

defout : exit(0);
```

t T