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PROBLEM STATEMENT:

Design a stock management system.

INPUT SPECIFICATIONS:

1. **What is the number of products that are available to be manufactured?**
2. **What are the products that can be manufactured and what are the materials required to manufacture the products?**
3. **What is the maximum number of products that the user can order at a time?**
4. **What is the maximum quantity of a product the user can order?**
5. **What is the format in which the user and password should be entered/accepted?**
6. **What is the base price of each product and materials used to manufacture that products?**

OUTPUT SPECIFICATIONS:

1. **Should the total price be displayed while displaying the final order?**
2. **Should the total price be displayed along with the taxes and shipping charges applied if any?**
3. **Should the base price of each material be shown while displaying the current stock?**

4. **What should be the format of displaying the purchase details of materials/stock?**
5. **What should be the format of displaying the orders?**
6. **Should only current orders be shown or previous orders should also be displayed?**
7. **What message should be displayed if the stock is insufficient, units of materials ordered is equal to the units of materials in stock and if material is in stock?**
8. **What message should be displayed when the user has logged out?**
9. **What is the currency in which the prices should be displayed?**

SPECIAL PROCESSING:

1. **What should be done if the material ordered is not in stock?**
2. **What should be done if the units of material ordered is just equal to the units of material available in stock?**
3. **Should stock get auto refilled?**
4. **What is the amount of stock that should be purchased if the stock amount becomes zero or if the stock is insufficient?**
5. **Should there be any special discount given if a certain quantity of product is ordered?**
6. **What should be done if the user has ordered a product by mistake?**
7. **What should be done if the user has logged out by mistake and wants to login again?**

PROBLEM DEFINITION:

The objective of this project is to create a Stock Management System to increase the productivity and efficiency of stock manufacturing & managing operations. In this system the user company manufactures 5 different products. Each product is made up of 3 Different Materials. Initially there are 100 units of each material in stock. The order is placed & if the materials are not sufficient then the materials are auto refilled in system. 30% of shortage of the materials is refilled in the stock while 30% of shortage of the materials along with the existing difference in quantity of materials is purchased (units of material ordered and units of material available in stock) when stock is insufficient. If the exact amount of material units which are available in current stock is ordered, then 100

units are filled in the stock and 100 units of materials are purchased to fill the stock.

THIS SYSTEM HAS THE FOLLOWING FUNCTIONALITIES:

1. **Order for a product to be manufactured can be placed.**
2. **The current stock can be checked and there is auto refill of stock in case there is insufficient stock so that the stock of materials is never zero.**
3. **The insufficient raw materials which are purchased for order purposes and to refill the stock can be viewed.**
4. **The previous and current orders placed can be viewed.**
5. **The total cost of the products placed for order is auto generated and is displayed while showing the final order.**

IMPLEMENTATION:

```
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
int order_more(char a[50],int,int);
void rmpdisp();
int check_stock(char mname[50],int material);
void confirm(char mname[50],int material,float mp,double *tp);
void rawpurchase(char name[50],int qty);
void print();
void print1();
int a;
static int flag =0;
struct rawpurch
{
char rmpname[50];
int rmpqty;
int count;
};
struct rawpurch r[10];
struct rawpurch raw;

 struct Stock_room
{
 char stockmat[50];
 int stkqty;
 double price;
 };
 struct Stock_room sr[3];

  typedef struct orderdet
  {
  char prodname[50];
  int qty;
  int uniquenum;
  double bprice;
  double fprice;
  }order;

  struct jobstr
  {
  char matname[7][50];
  int matqty[7];
  int totmatqty[7];
  float matprice[7];
  order o1;
  };
 struct jobstr job[10];
void menuprint()
 {

 printf("\n\t\t\t\t\t\t\t\t \b  <<< ORDER >>>   \n\t\t\t\t\t\t\t\t\n");
printf("PRODUCTS THAT CAN BE MANUFACTURED HERE ARE:\n");
printf("1.Product A\n");
printf("2.Product B \n");
printf("3.Product C\n");
printf("4.Product D\n");
printf("5.Product E\n");
printf("0.GO BACK TO MAIN MENU\n");
//printf("6.EXIT\n");
}

static int i=0;
int jobreq()
{

int q,c,num,a;

menuprint();
printf("ENTER THE OPTION NUMBER OF THE PRODUCT YOU WANT TO MANUFACTURE.\n");
scanf("%d",&a);
int j=0;

switch(a)
```

```
{
  case 1:

  printf("\033[0;0H\033[2J");
  printf("THE MATERIALS REQUIRED TO MANUFACTURE PRODUCT A ARE AS FOLLOWS:\n");
  printf("MATERIAL NAME |  UNITS PER PRODUCT\n");
  printf("Material1     |       10\n");
  printf("Material2     |       20\n");
  printf("Material3     |       20\n");

     printf("\nENTER QUANTITY OF PRODUCT TO BE MANUFACTURED\n");
     scanf("%d",&q);
printf("\033[0;0H\033[2J");
   strcpy(job[i].o1.prodname,"product A");
   job[i].o1.uniquenum=i;
   job[i].o1.qty=q;
   job[i].o1.bprice=800;
   job[i].o1.fprice=q*job[i].o1.bprice;

   strcpy(job[i].matname[j],"Material 1");
   job[i].matprice[j]=10;
   job[i].matqty[j]=10;
   job[i].totmatqty[j]=q*10;
    check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 2");
   job[i].matprice[j]=15;
   job[i].matqty[j]=20;
   job[i].totmatqty[j]=q*20;
    check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 3");
   job[i].matprice[j]=20;
   job[i].matqty[j]=20;
   job[i].totmatqty[j]=q*20;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   job[i].o1.fprice=1.18*(1.025*job[i].o1.fprice);
  flag++;

break;
```

```
  case 2:

  printf("\033[0;0H\033[2J");
  printf("THE MATERIALS REQUIRED TO MANUFACTURE PRODUCT B ARE AS FOLLOWS:\n");
  printf("MATERIAL NAME |  UNITS PER PRODUCT\n");
  printf("Material1     |       20\n");
  printf("Material2     |       20\n");
  printf("Material3     |       30\n");

     printf("\nENTER QUANTITY OF PRODUCT TO BE MANUFACTURED\n");
     scanf("%d",&q);
printf("\033[0;0H\033[2J");
   strcpy(job[i].o1.prodname,"product B");
   job[i].o1.uniquenum=i;
   job[i].o1.qty=q;
     job[i].o1.bprice=1100;
   job[i].o1.fprice=q*job[i].o1.bprice;

   strcpy(job[i].matname[j],"Material 1");
   job[i].matprice[j]=10;
   job[i].matqty[j]=20;
   job[i].totmatqty[j]=q*20;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 2");
   job[i].matprice[j]=15;
   job[i].matqty[j]=20;
   job[i].totmatqty[j]=q*20;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 3");
   job[i].matprice[j]=20;
   job[i].matqty[j]=30;
   job[i].totmatqty[j]=q*30;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

    job[i].o1.fprice=1.18*(1.025*job[i].o1.fprice);
    j++;

   flag++;
   break;

  case 3:
printf("\033[0;0H\033[2J");
```

```
  printf("THE MATERIALS REQUIRED TO MANUFACTURE PRODUCT C ARE AS FOLLOWS:\n");
  printf("MATERIAL NAME |  UNITS PER PRODUCT\n");
  printf("Material1     |       30\n");
  printf("Material2     |       20\n");
  printf("Material3     |       30\n");

     printf("\nENTER QUANTITY OF PRODUCT TO BE MANUFACTURED\n");
     scanf("%d",&q);
printf("\033[0;0H\033[2J");
   strcpy(job[i].o1.prodname,"product C");
   job[i].o1.uniquenum=i;
   job[i].o1.qty=q;
     job[i].o1.bprice=120;
   job[i].o1.fprice=q*job[i].o1.bprice;

   strcpy(job[i].matname[j],"Material 1");
   job[i].matprice[j]=10;
   job[i].matqty[j]=30;
   job[i].totmatqty[j]=q*30;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 2");
   job[i].matprice[j]=15;
   job[i].matqty[j]=20;
   job[i].totmatqty[j]=q*20;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 3");
   job[i].matprice[j]=20;
   job[i].matqty[j]=30;
   job[i].totmatqty[j]=q*30;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

    job[i].o1.fprice=1.18*(1.025*job[i].o1.fprice);
   j++;
flag++;
  break;

  case 4:
  printf("\033[0;0H\033[2J");
  printf("THE MATERIALS REQUIRED TO MANUFACTURE PRODUCT D ARE AS FOLLOWS:\n");
  printf("MATERIAL NAME | UNITS PER PRODUCT\n");
  printf("Material1     |        40\n");
  printf("Material2     |        20\n");
  printf("Material3      |        20\n");

     printf("\nENTER QUANTITY OF PRODUCT TO BE MANUFACTURED\n");
     scanf("%d",&q);
printf("\033[0;0H\033[2J");
   strcpy(job[i].o1.prodname,"product D");
   job[i].o1.uniquenum=i;
   job[i].o1.qty=q;
     job[i].o1.bprice=1100;
   job[i].o1.fprice=q*job[i].o1.bprice;

   strcpy(job[i].matname[j],"Material 1");
   job[i].matprice[j]=10;
   job[i].matqty[j]=40;
   job[i].totmatqty[j]=q*40;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 2");
   job[i].matprice[j]=15;
   job[i].matqty[j]=20;
   job[i].totmatqty[j]=q*20;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 3");
   job[i].matprice[j]=20;
   job[i].matqty[j]=20;
   job[i].totmatqty[j]=q*20;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

    job[i].o1.fprice=1.18*(1.025*job[i].o1.fprice);
   j++;
   flag++;
  break;

  case 5:
  printf("\033[0;0H\033[2J");
  printf("THE MATERIALS REQUIRED TO MANUFACTURE PRODUCT E ARE AS FOLLOWS:\n");
  printf("MATERIAL NAME | UNITS PER PRODUCT\n");
  printf("Material1      |       10\n");
  printf("Material2      |       40\n");
  printf("Material3      |       20\n");

     printf("\nENTER QUANTITY OF PRODUCT TO BE MANUFACTURED\n");
     scanf("%d",&q);
```

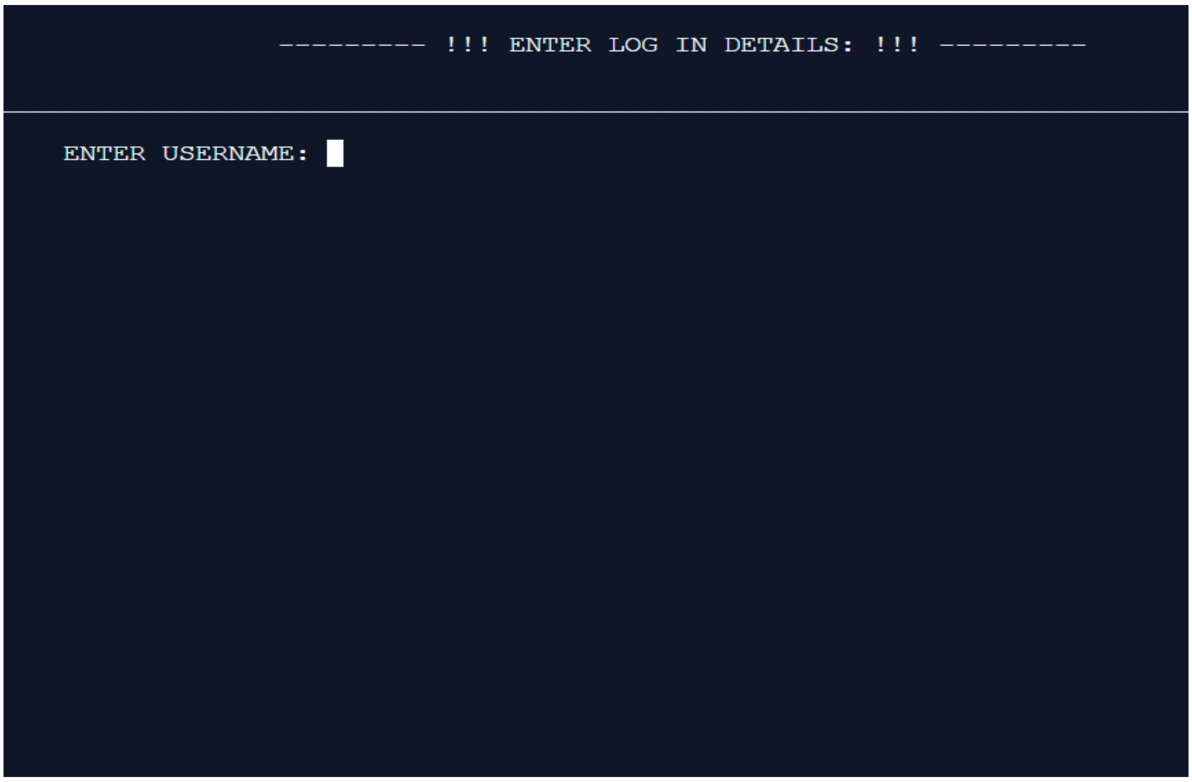
```
printf("\033[0;0H\033[2J");
   strcpy(job[i].o1.prodname,"product E");
   job[i].o1.uniquenum=i;
   job[i].o1.qty=q;
   job[i].o1.bprice=1100;
   job[i].o1.fprice=q*job[i].o1.bprice;

   strcpy(job[i].matname[j],"Material 1");
   job[i].matprice[j]=10;
   job[i].matqty[j]=10;
   job[i].totmatqty[j]=q*10;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;

   strcpy(job[i].matname[j],"Material 2");
   job[i].matprice[j]=15;
   job[i].matqty[j]=40;
   job[i].totmatqty[j]=q*40;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

   j++;
   strcpy(job[i].matname[j],"Material 3");
   job[i].matprice[j]=20;
   job[i].matqty[j]=20;
   job[i].totmatqty[j]=q*20;
   check_stock(job[i].matname[j],job[i].totmatqty[j]);

    job[i].o1.fprice=1.18*(1.025*job[i].o1.fprice);
   j++;

flag++;
   break;
case 0:
break;

  default:
  {
  printf(" PLEASE ENTER VALID CHOICE \n");

  }
}

return a;



  }
  int check_stock(char mname[50],int material)
{
  int t,z,extra,num,v;
for(t=0;t<3;t++)
{

if(strcmp(sr[t].stockmat,mname)==0)
{
 if(material<sr[t].stkqty)
{
  printf("%s IS IN STOCK\n", mname);

printf("\n____________________________________________________________________
__________________________________________\n\n");
 sr[t].stkqty=sr[t].stkqty-material;

 }

 else if (material==sr[t].stkqty)
 {

 printf(" \n%s IS SUFFICIENT BUT MORE NEEDS TO BE ORDERED FOR FUTURE
ORDERS.\n\n",sr[t].stockmat);

printf("\n____________________________________________________________________
___________________________________________\n\n");
 sr[t].stkqty=sr[t].stkqty-material;
 sr[t].stkqty=sr[t].stkqty + 100;

 v=1;
 order_more(sr[t].stockmat,1,100);
 }

 else
 {
  printf(" %s IS INSUFFICIENT \n\n",sr[t].stockmat);
  printf("SHIPPING PRICE FOR THE INSUFFICIENT MATERIAL WILL BE CHARGED AND THE
MATERIAL WILL BE DELIVERED.\n");

printf("\n____________________________________________________________________
_________________________________________\n\n");
   int fina=material-sr[t].stkqty;
   sr[t].stkqty=(0.3*(material-sr[t].stkqty));


order_more(sr[t].stockmat,2,fina+sr[t].stkqty);
  v=2;
  }
}
}//for ends
return 0;
}//check_stock ends

int order_more(char a[50],int v,int fin)
{
 if(v==1)
 {
 rawpurchase(a,100);
 }
 else if(v==2)
 {
   rawpurchase(a,fin);
 }
else
{

}
  return 0;
}
 void rawpurchase(char name[50],int qty)
{
int c;
raw.count=raw.count+1;
 c=raw.count;

strcpy(r[c].rmpname,name);
r[c].rmpqty=qty;

}
void rmpdisp()
{
int jp;

printf("\n\tPURCHASE ORDER\n");
printf("RAW MATERIAL NAME\t\t\tRAW MATERIAL QUANTITY\n");
if(raw.count>=0)
{
for(jp=0;jp<=raw.count;jp++)
{
printf("%s\t\t\t\t\t\t\t%d\t\t\t\t\t\n",r[jp].rmpname,r[jp].rmpqty);
}
}

}

void print()
```

```
{

int k=3;

printf("\nPRODUCT NAME:");
puts(job[i].o1.prodname);

printf("MATERIAL NAME   QUANTITY   UNITS PER PRODUCT   TOTAL UNITS\n");
for(k=0;k<3;k++)
{
printf("%s         %d              %d
%d\n",job[i].matname[k],job[i].o1.qty,job[i].matqty[k],job[i].totmatqty[k]);

}
printf("\n");
printf("Total Price: %f RUPEES\n",job[i].o1.fprice);
printf("\nYOUR ORDER HAS BEEN PLACED SUCCESSFULLY\n");
printf("NOTE: TOTAL PRICE CONTAINS SHIPPING CHARGES OF 2.5%% AND GST\n");
printf("\n");
}

void printstockr()
{
int u,y;

for(u=0;u<3;u++)
{
printf("\n%s\t",sr[u].stockmat);
 printf("%d\t",sr[u].stkqty);
 //printf("%f\n\n",sr[u].price);
}
printf("\nNOTE: THE STOCK GETS AUTOREFILLED\n\n");
}



void stockreg()
{
static int p=0;
strcpy(sr[p].stockmat,"Material 1");
sr[p].stkqty=100;
sr[p].price=100;
      p++;
strcpy(sr[p].stockmat,"Material 2");
sr[p].stkqty=100;
sr[p].price=100;
        p++;
strcpy(sr[p].stockmat,"Material 3");
```

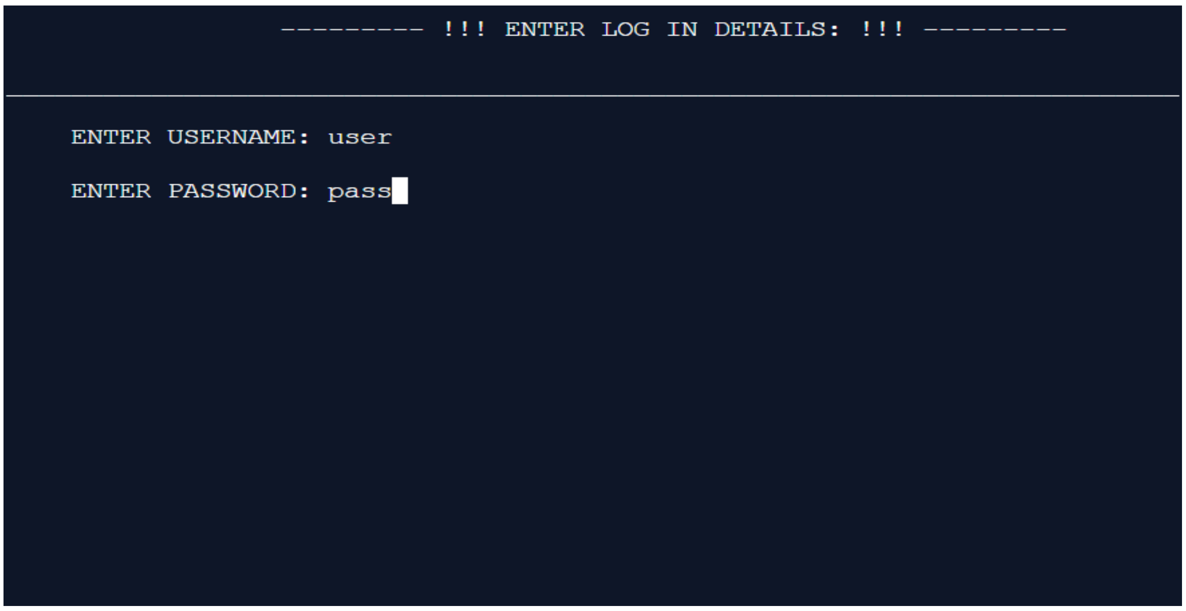
```
sr[p].stkqty=100;
sr[p].price=100;
p++;
}
void print1()
{
int p=0;
int k=3;

for(p=0;p<flag;p++)
{
printf("\nPRODUCT NAME:");
puts(job[p].o1.prodname);
printf("Total Price: %f\n",job[p].o1.fprice);
printf("MATERIAL NAME   QUANTITY   UNITS PER PRODUCT   TOTAL UNITS\n");
for(k=0;k<3;k++)
{
printf("%s         %d              %d
%d\n",job[p].matname[k],job[p].o1.qty,job[p].matqty[k],job[p].totmatqty[k]);
}
}
}

int main()
{
  printf("\033[0;0H\033[2J");
   ep:printf("\033[0;0H\033[2J");
int log,ex,b,a1;
char u[100],pa[100];
stockreg();
 raw.count=-1;
 lp:

 printf("\n\t\t\t\t --------- !!! ENTER LOG IN DETAILS: !!! ---------
\t\t\t\t\n");

printf("\n____________________________________________________________________________
_____\n\n");
printf("\tENTER USERNAME: ");
scanf("%s",u);
printf("\n");
printf("\tENTER PASSWORD: ");
scanf("%s",pa);
printf("\n");
if(strcmp(u,"user")==0 && strcmp(pa,"pass")==0)
{

  printf("\033[0;0H\033[2J");
printf("\n\t\t\t\t --------- !!! WELCOME TO STOCK MANANGEMENT SYSTEM!!! ---------\t\t\t\t\n");

printf("\n____________________________________________________________________________________\n\n");
he:printf("\t\t\t\t\t\tENTER: \v\n\t(1) TO PLACE ORDER \n\t(2) TO VIEW CURRENT STOCK\n\t(3) TO VIEW PUCHASED RAW MATERIAL \n\t(4) TO VIEW PREVIOUS AND CURRENT ORDERS\n\t(0) TO LOGOUT\n");
printf("\n____________________________________________________________________________________\n\n");
scanf("%d",&b);
printf("\033[0;0H\033[2J");
switch(b)

{

case 1:
{
  a1=jobreq();

  if(a1>=1 && a1<=5)
  {
 print();
 i++;
 }
 else if(a1==0)
 {
    printf("\033[0;0H\033[2J");
   goto he;
 }
break;
}


case 2:
printstockr();
break;
case 3:
{

rmpdisp();
break;
}

case 0:
{
  goto lo;
  break;
```

```
}
case 4:
print1();
break;
default:
printf("Enter valid choice\n");
break;

}
printf("\n");
printf("ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT\n");
scanf("%d",&log);
if(log==1)
{
  printf("\033[0;0H\033[2J");
  goto he;
}
else
{
 printf("\033[0;0H\033[2J");
 lo:
printf("\t\tYOU HAVE LOGGED OUT SUCCESSFULLY\n");
printf("\t\tENTER 1 TO LOG IN AGAIN OR ANY OTHER NUMBER TO CLOSE THE
SYSTEM\n");
scanf("%d",&ex);
printf("\033[0;0H\033[2J");
if(ex==1)
{
  goto ep;
  }
  else
  {
    printf("\t\tTHE SYSTEM IS CLOSED\n");
exit(0);
  }
 }
}
else
 {
  printf("\033[0;0H\033[2J");
  printf("PLEASE ENTER LOG IN DETAILS CORRECTLY\n");

  goto lp;
 }
}
```

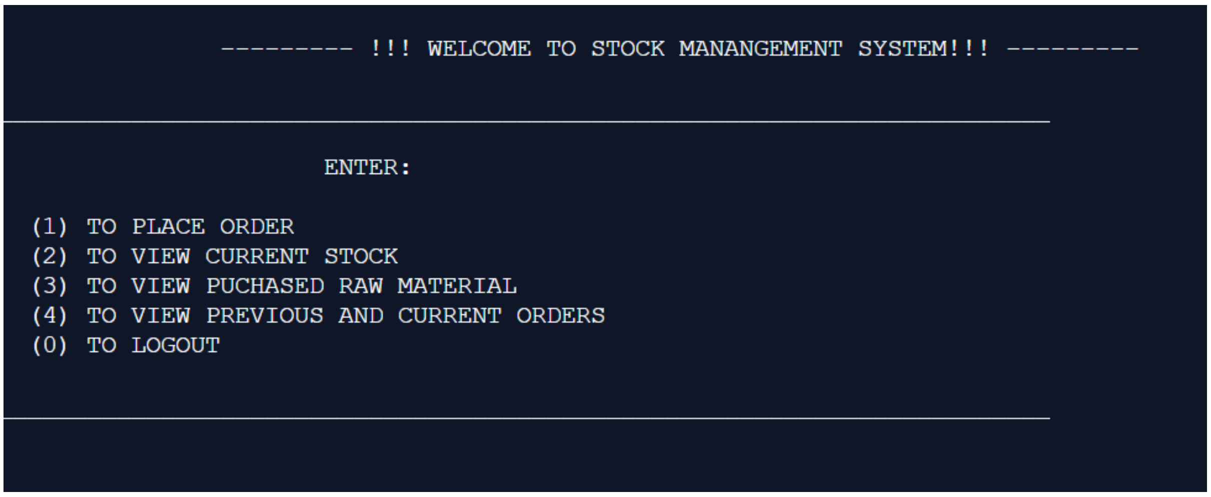
OUTPUT:



```
                    ---------- !!! ENTER LOG IN DETAILS: !!! ----------

    ENTER USERNAME:
```

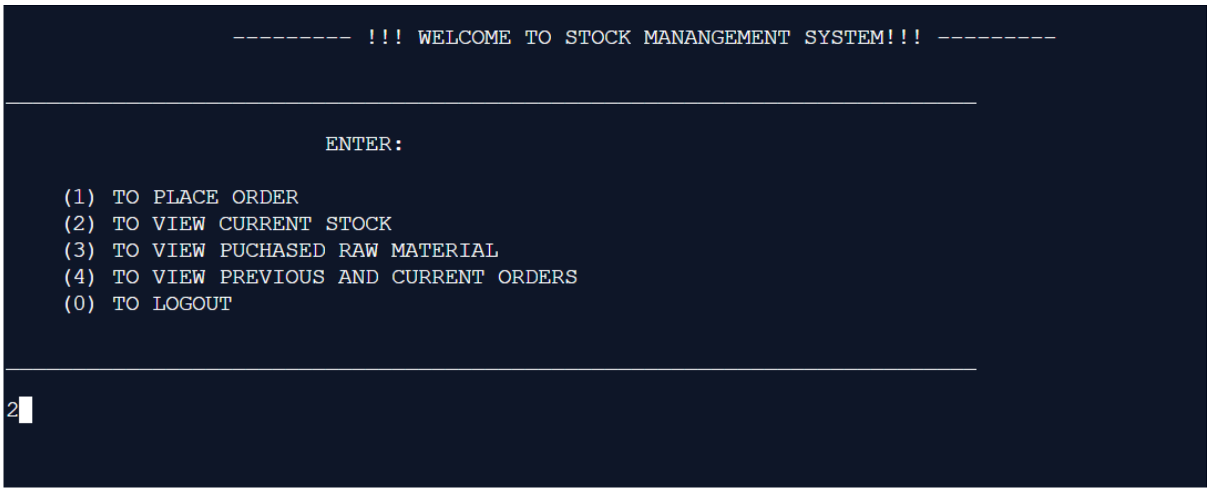


```
                    ---------- !!! ENTER LOG IN DETAILS: !!! ----------

    ENTER USERNAME: user

    ENTER PASSWORD: pass
```

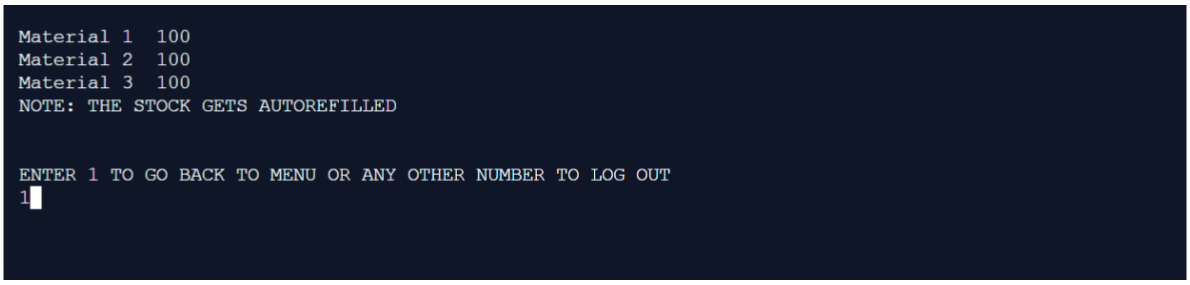


```
            --------- !!! WELCOME TO STOCK MANANGEMENT SYSTEM!!! ---------
_____________________________________________________________________________

                       ENTER:

 (1) TO PLACE ORDER
 (2) TO VIEW CURRENT STOCK
 (3) TO VIEW PUCHASED RAW MATERIAL
 (4) TO VIEW PREVIOUS AND CURRENT ORDERS
 (0) TO LOGOUT

_____________________________________________________________________________
```

TO VIEW CURRENT STOCK ROOM:

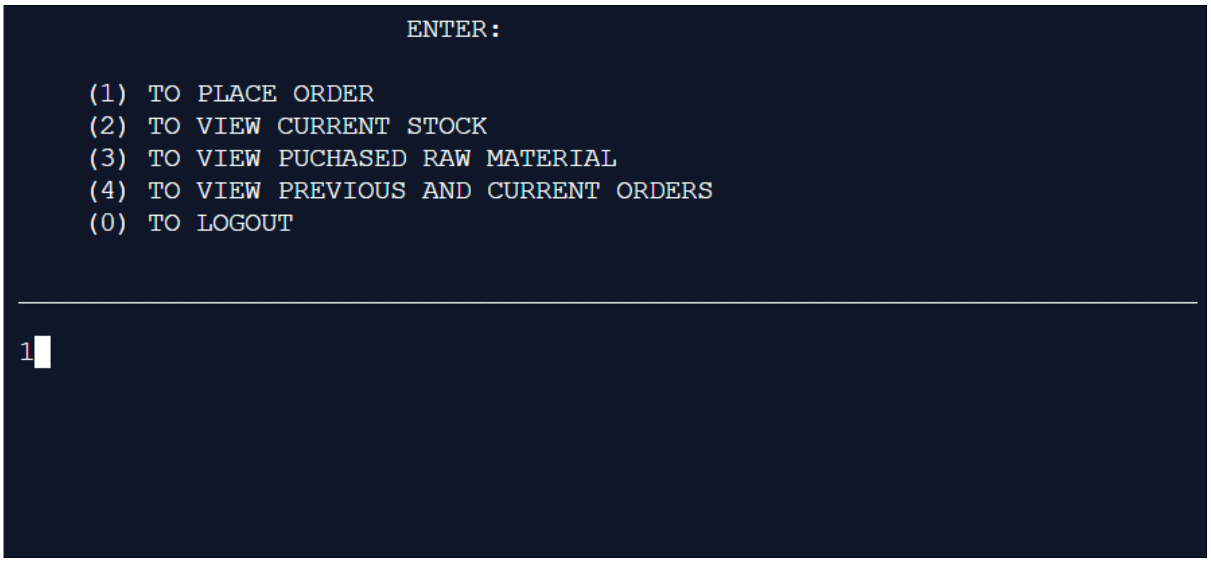


```
            --------- !!! WELCOME TO STOCK MANANGEMENT SYSTEM!!! ---------
_____________________________________________________________________________

                       ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT

_____________________________________________________________________________
2
```



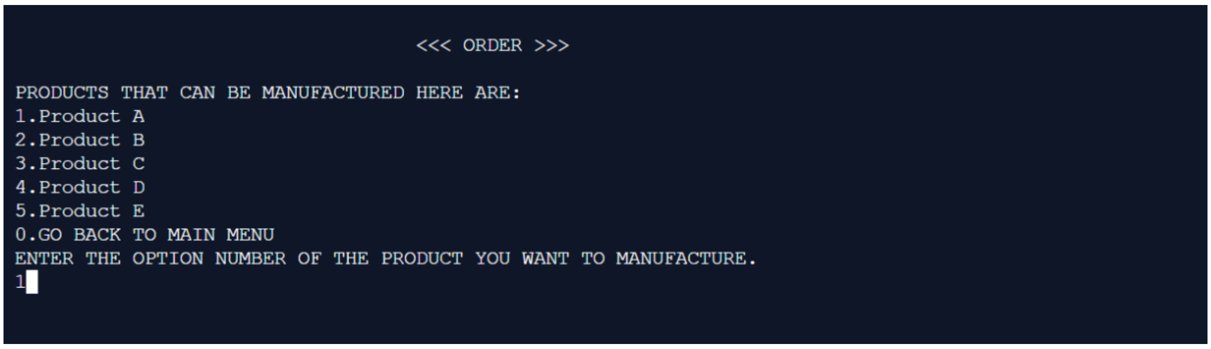
```
Material 1  100
Material 2  100
Material 3  100
NOTE: THE STOCK GETS AUTOREFILLED


ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

WHEN ORDER IS PLACED:

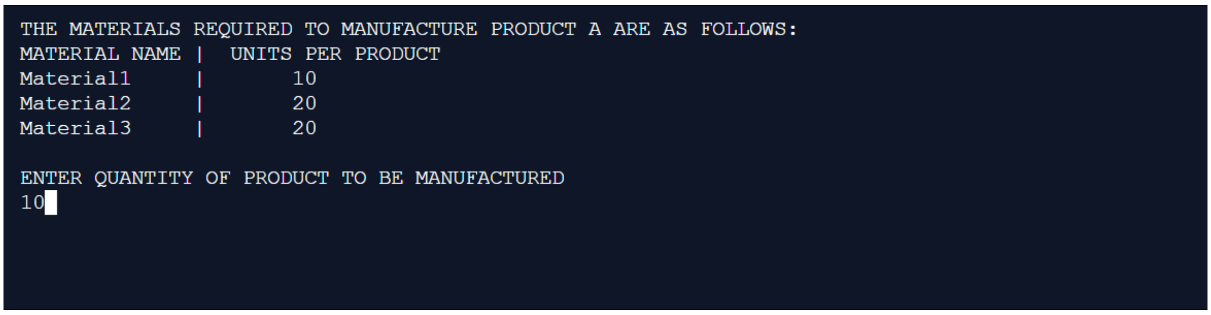


```
                              ENTER:

      (1) TO PLACE ORDER
      (2) TO VIEW CURRENT STOCK
      (3) TO VIEW PUCHASED RAW MATERIAL
      (4) TO VIEW PREVIOUS AND CURRENT ORDERS
      (0) TO LOGOUT

________________________________________________________________________

1
```

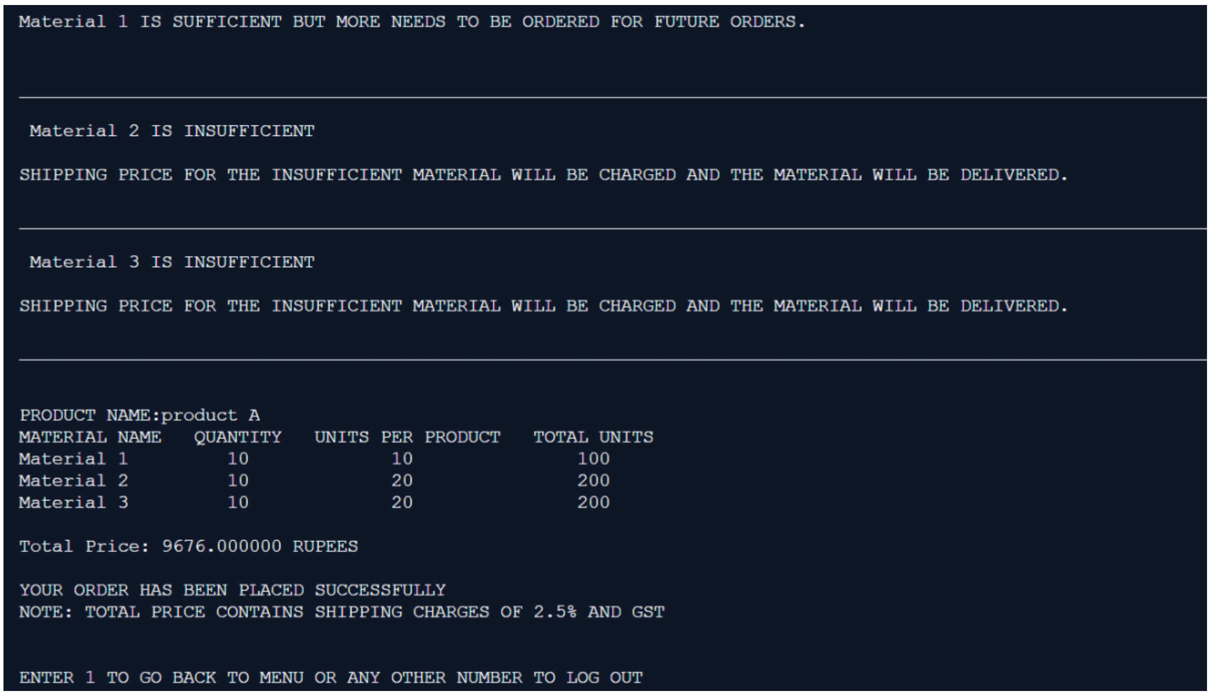
IF PRODUCT A IS ORDERED:



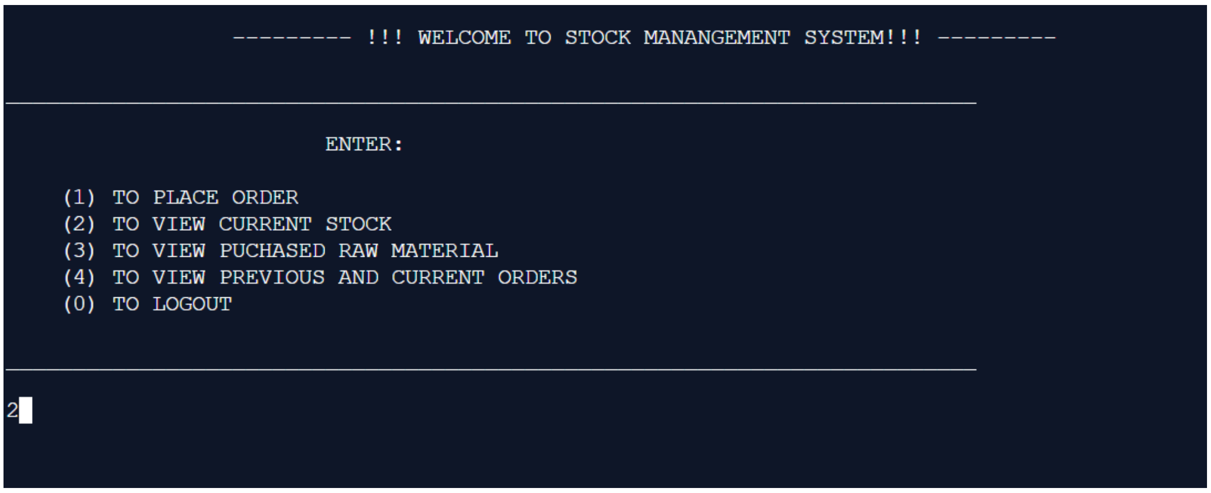
```
                                  <<< ORDER >>>

PRODUCTS THAT CAN BE MANUFACTURED HERE ARE:
1.Product A
2.Product B
3.Product C
4.Product D
5.Product E
0.GO BACK TO MAIN MENU
ENTER THE OPTION NUMBER OF THE PRODUCT YOU WANT TO MANUFACTURE.
1
```

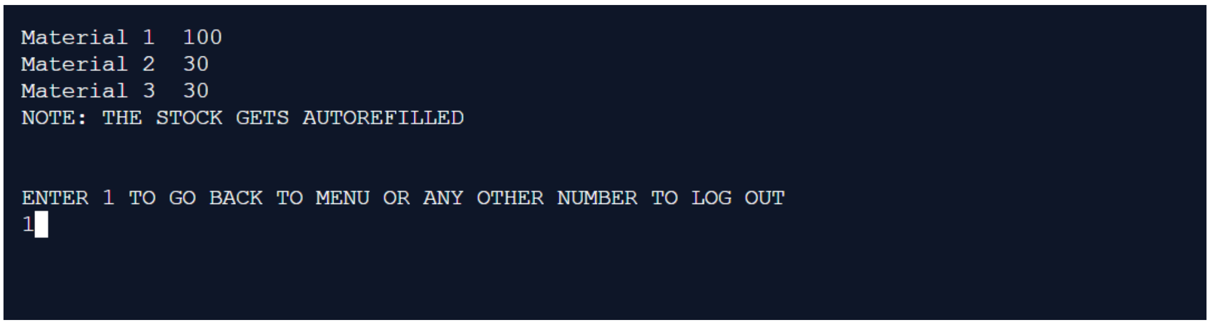


```
THE MATERIALS REQUIRED TO MANUFACTURE PRODUCT A ARE AS FOLLOWS:
MATERIAL NAME |  UNITS PER PRODUCT
Material1     |      10
Material2     |      20
Material3     |      20

ENTER QUANTITY OF PRODUCT TO BE MANUFACTURED
10
```


```
Material 1 IS SUFFICIENT BUT MORE NEEDS TO BE ORDERED FOR FUTURE ORDERS.


--------------------------------------------------------------------------------------------

 Material 2 IS INSUFFICIENT

SHIPPING PRICE FOR THE INSUFFICIENT MATERIAL WILL BE CHARGED AND THE MATERIAL WILL BE DELIVERED.

--------------------------------------------------------------------------------------------

 Material 3 IS INSUFFICIENT

SHIPPING PRICE FOR THE INSUFFICIENT MATERIAL WILL BE CHARGED AND THE MATERIAL WILL BE DELIVERED.

--------------------------------------------------------------------------------------------


PRODUCT NAME:product A
MATERIAL NAME   QUANTITY   UNITS PER PRODUCT   TOTAL UNITS
Material 1        10              10              100
Material 2        10              20              200
Material 3        10              20              200

Total Price: 9676.000000 RUPEES

YOUR ORDER HAS BEEN PLACED SUCCESSFULLY
NOTE: TOTAL PRICE CONTAINS SHIPPING CHARGES OF 2.5% AND GST


ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
```

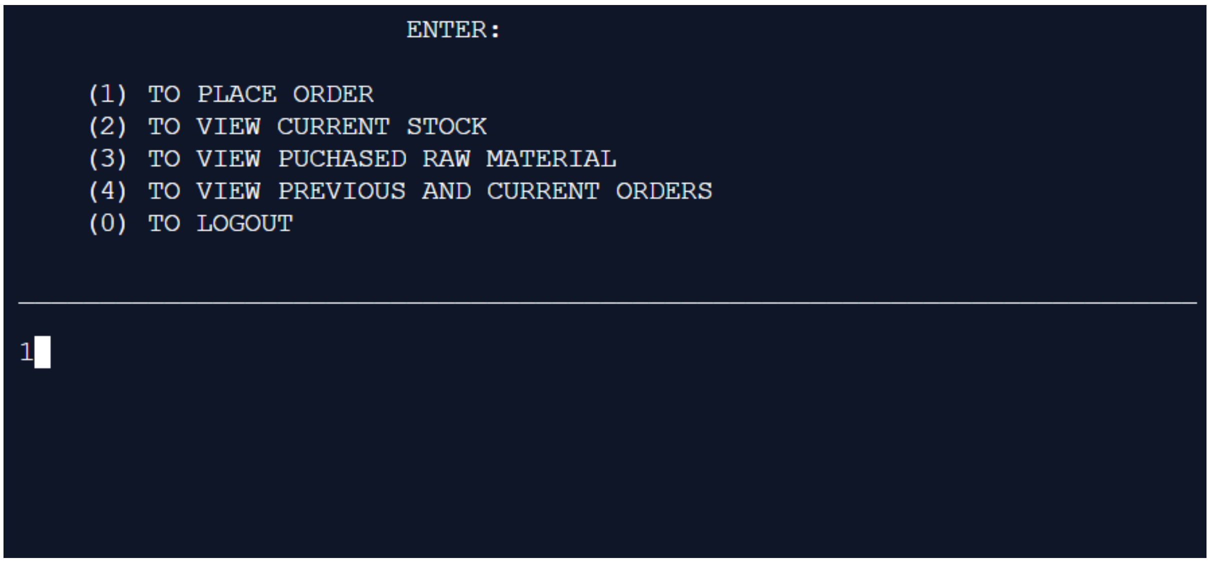
WHEN STOCK IS CHECKED:


```
                    --------- !!! WELCOME TO STOCK MANANGEMENT SYSTEM!!! ---------

------------------------------------------------------------------------------------

                              ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT


------------------------------------------------------------------------------------
2
```

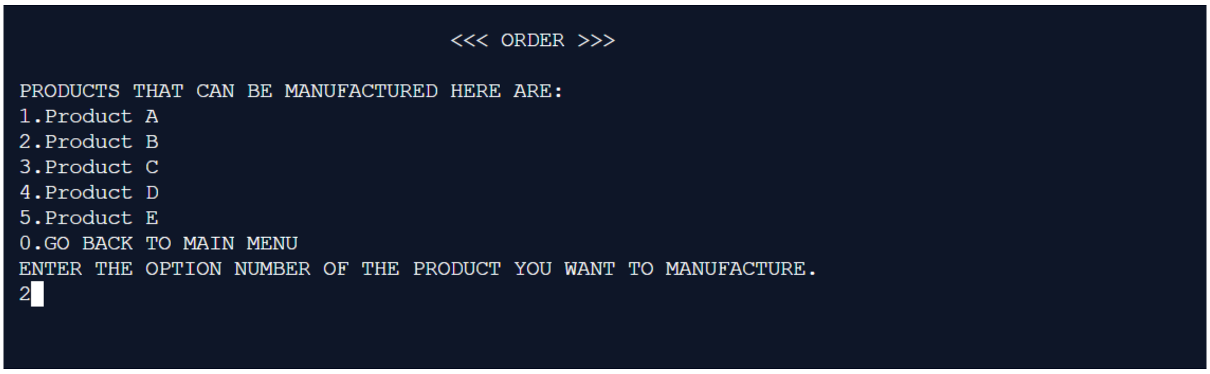


```
Material 1  100
Material 2  30
Material 3  30
NOTE: THE STOCK GETS AUTOREFILLED


ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

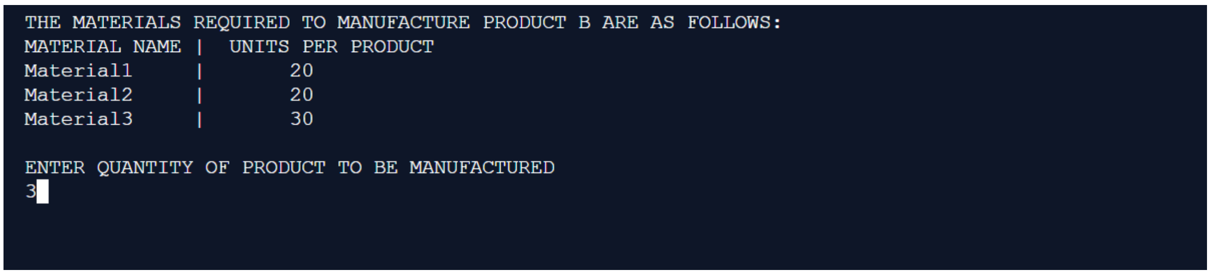
WHEN PRODUCT B IS ORDERED:



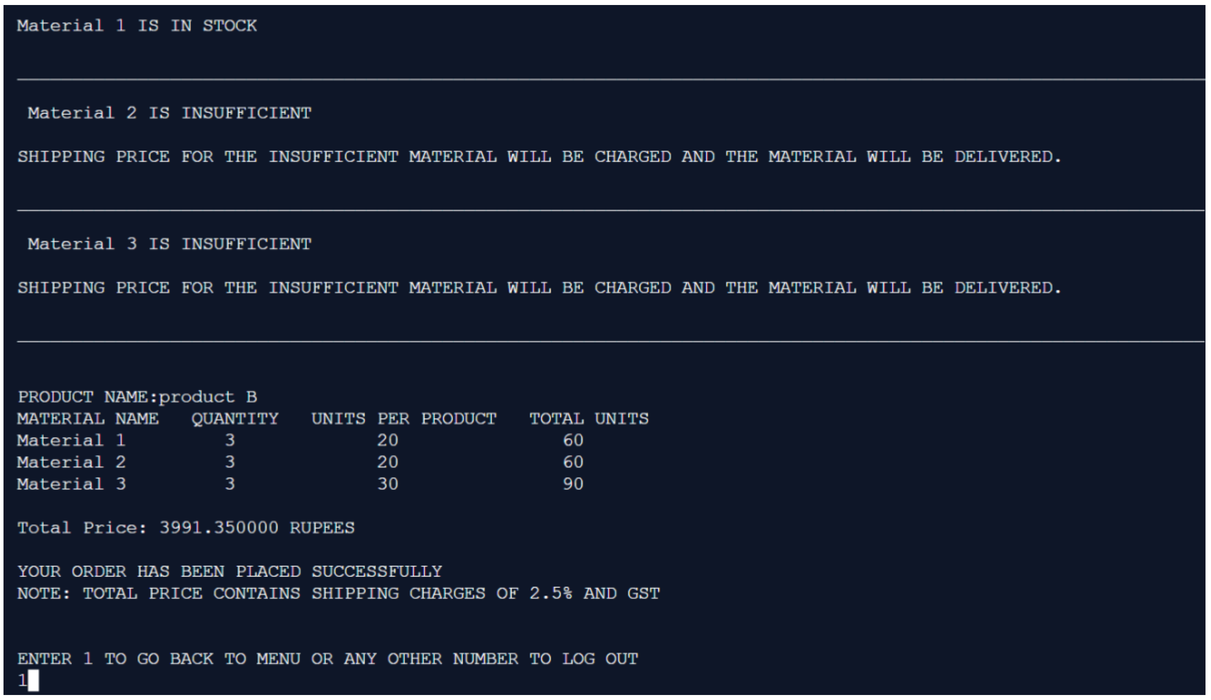
```
                              ENTER:

     (1) TO PLACE ORDER
     (2) TO VIEW CURRENT STOCK
     (3) TO VIEW PUCHASED RAW MATERIAL
     (4) TO VIEW PREVIOUS AND CURRENT ORDERS
     (0) TO LOGOUT

________________________________________________________________________________

1
```



```
                                        <<< ORDER >>>

PRODUCTS THAT CAN BE MANUFACTURED HERE ARE:
1.Product A
2.Product B
3.Product C
4.Product D
5.Product E
0.GO BACK TO MAIN MENU
ENTER THE OPTION NUMBER OF THE PRODUCT YOU WANT TO MANUFACTURE.
2
```

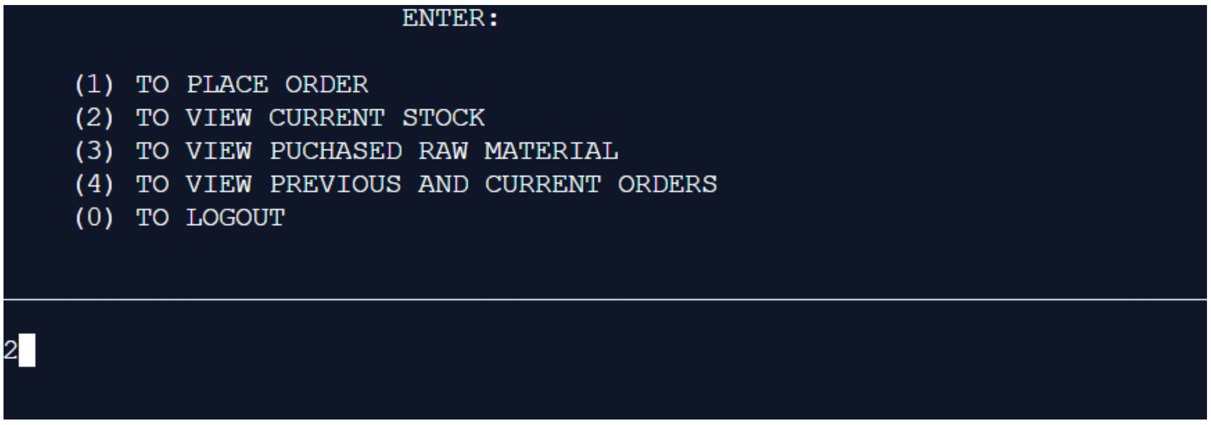


```
THE MATERIALS REQUIRED TO MANUFACTURE PRODUCT B ARE AS FOLLOWS:
MATERIAL NAME |  UNITS PER PRODUCT
Material1     |       20
Material2     |       20
Material3     |       30

ENTER QUANTITY OF PRODUCT TO BE MANUFACTURED
3
```

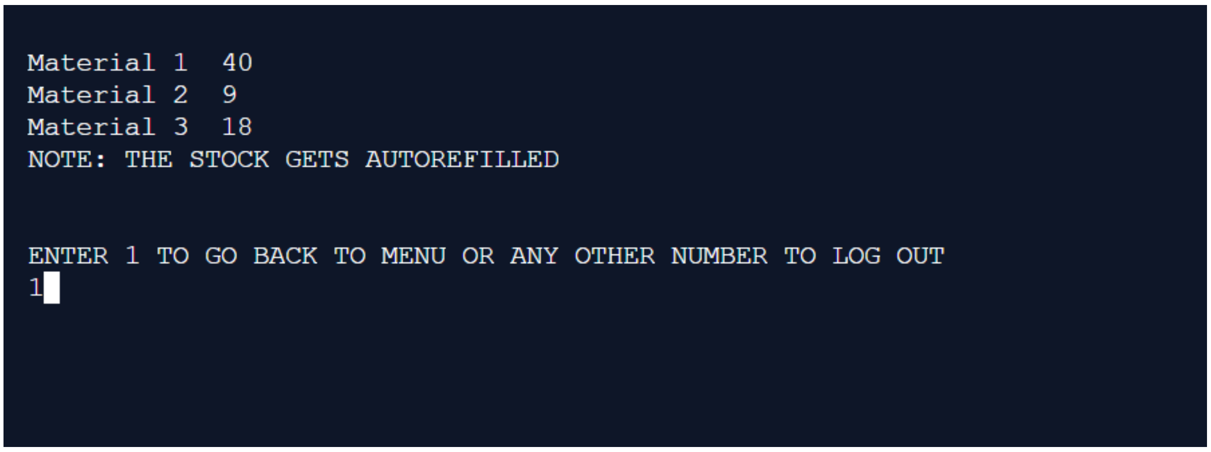


```
Material 1 IS IN STOCK

 Material 2 IS INSUFFICIENT

SHIPPING PRICE FOR THE INSUFFICIENT MATERIAL WILL BE CHARGED AND THE MATERIAL WILL BE DELIVERED.

 Material 3 IS INSUFFICIENT

SHIPPING PRICE FOR THE INSUFFICIENT MATERIAL WILL BE CHARGED AND THE MATERIAL WILL BE DELIVERED.


PRODUCT NAME:product B
MATERIAL NAME   QUANTITY   UNITS PER PRODUCT    TOTAL UNITS
Material 1         3            20                 60
Material 2         3            20                 60
Material 3         3            30                 90

Total Price: 3991.350000 RUPEES

YOUR ORDER HAS BEEN PLACED SUCCESSFULLY
NOTE: TOTAL PRICE CONTAINS SHIPPING CHARGES OF 2.5% AND GST


ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

WHEN STOCK IS CHECKED:

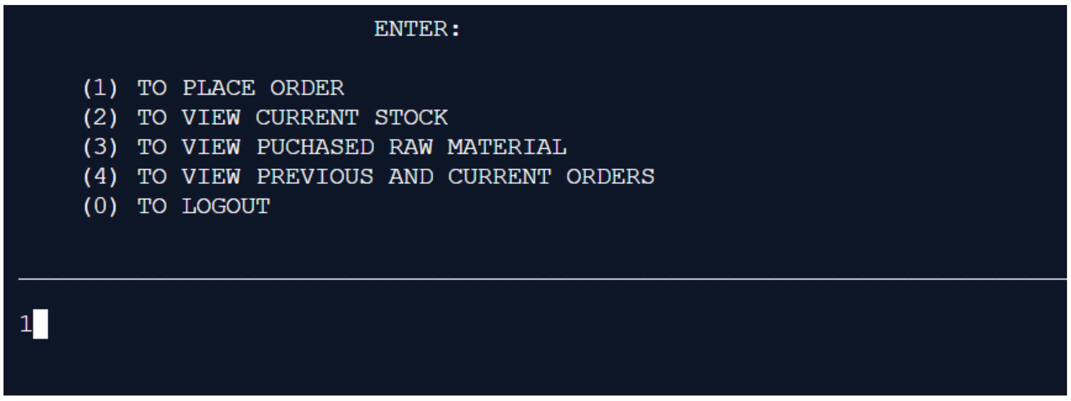


```
                              ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT

2
```

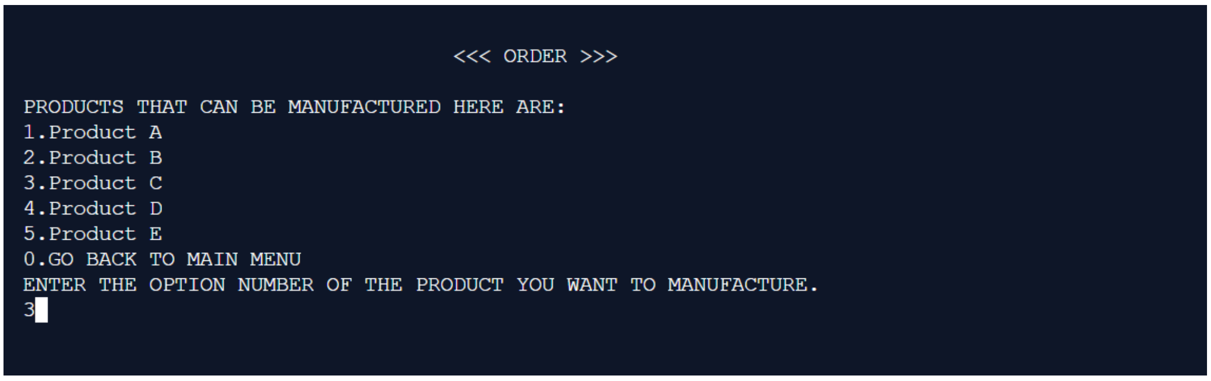


```
Material 1  40
Material 2  9
Material 3  18
NOTE: THE STOCK GETS AUTOREFILLED


ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

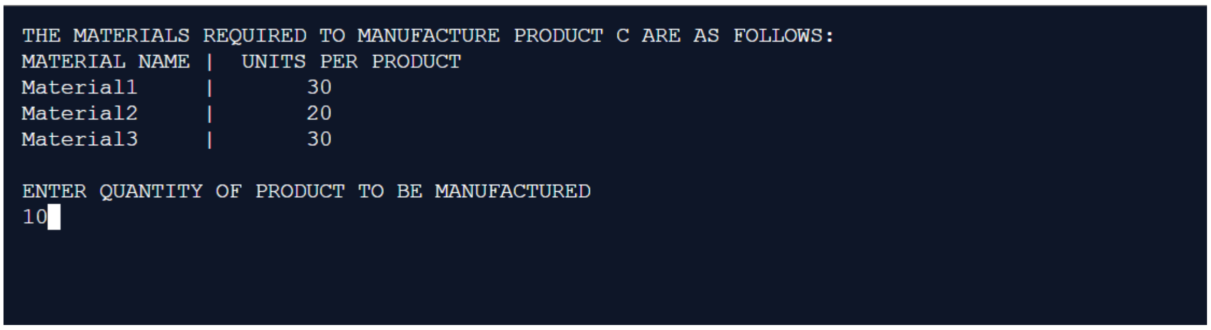
WHEN PRODUCT C IS ORDERED:



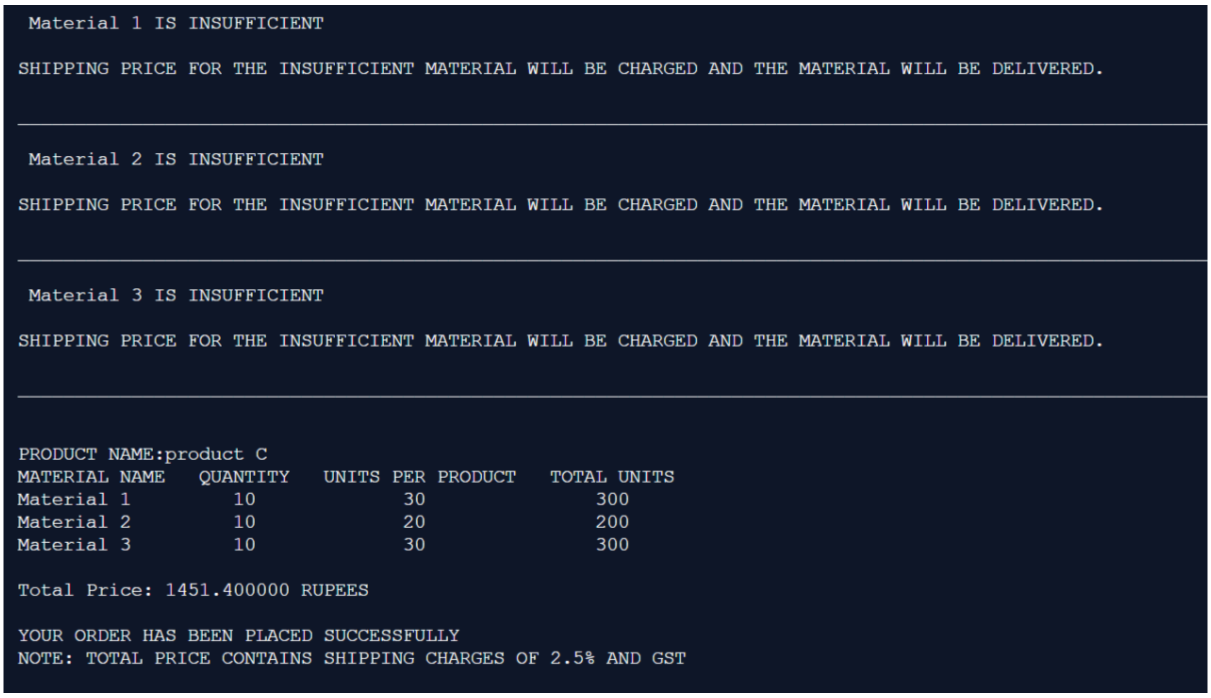
```
                              ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT

____________________________________________________________

1
```



```
                                     <<< ORDER >>>

PRODUCTS THAT CAN BE MANUFACTURED HERE ARE:
1.Product A
2.Product B
3.Product C
4.Product D
5.Product E
0.GO BACK TO MAIN MENU
ENTER THE OPTION NUMBER OF THE PRODUCT YOU WANT TO MANUFACTURE.
3
```

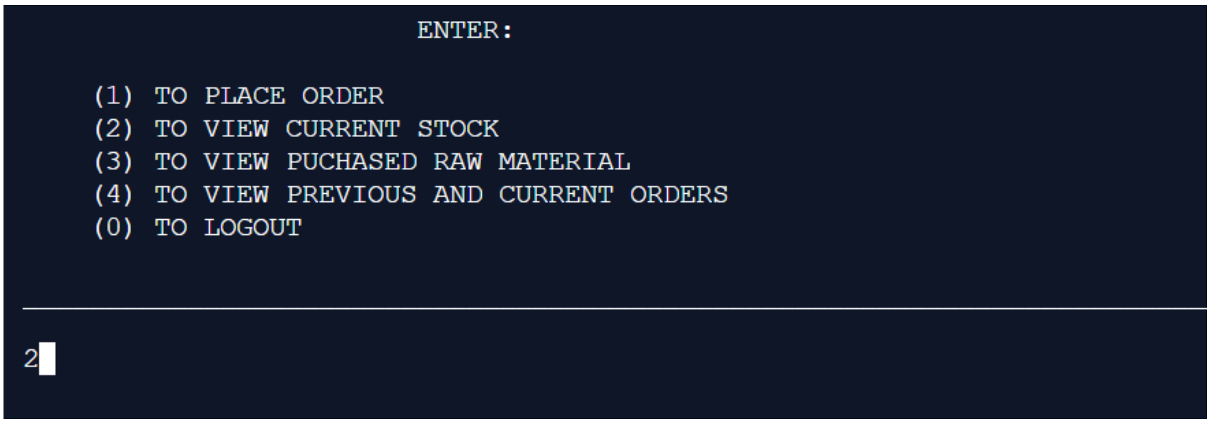


```
THE MATERIALS REQUIRED TO MANUFACTURE PRODUCT C ARE AS FOLLOWS:
MATERIAL NAME |  UNITS PER PRODUCT
Material1     |       30
Material2     |       20
Material3     |       30

ENTER QUANTITY OF PRODUCT TO BE MANUFACTURED
10
```

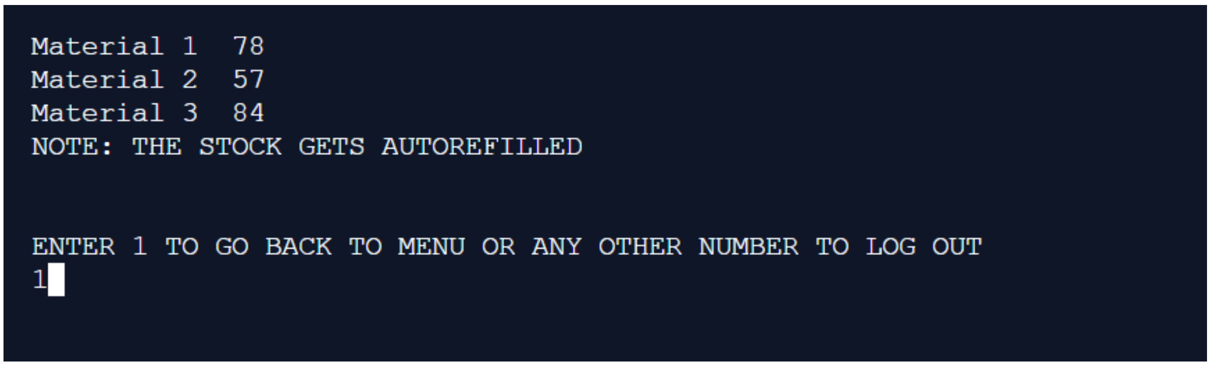


```
 Material 1 IS INSUFFICIENT

SHIPPING PRICE FOR THE INSUFFICIENT MATERIAL WILL BE CHARGED AND THE MATERIAL WILL BE DELIVERED.

______________________________________________________________________________________________

 Material 2 IS INSUFFICIENT

SHIPPING PRICE FOR THE INSUFFICIENT MATERIAL WILL BE CHARGED AND THE MATERIAL WILL BE DELIVERED.

______________________________________________________________________________________________

 Material 3 IS INSUFFICIENT

SHIPPING PRICE FOR THE INSUFFICIENT MATERIAL WILL BE CHARGED AND THE MATERIAL WILL BE DELIVERED.

______________________________________________________________________________________________


PRODUCT NAME:product C
MATERIAL NAME   QUANTITY   UNITS PER PRODUCT   TOTAL UNITS
Material 1         10             30               300
Material 2         10             20               200
Material 3         10             30               300

Total Price: 1451.400000 RUPEES

YOUR ORDER HAS BEEN PLACED SUCCESSFULLY
NOTE: TOTAL PRICE CONTAINS SHIPPING CHARGES OF 2.5% AND GST
```

WHEN STOCK IS CHECKED:

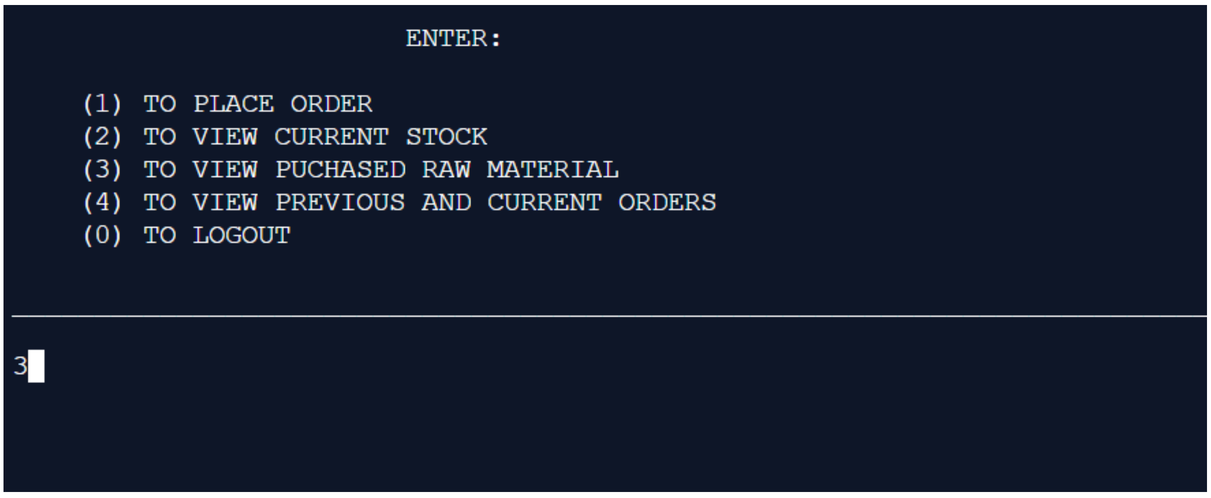


```
                          ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT

 ____________________________________________________________

 2
```

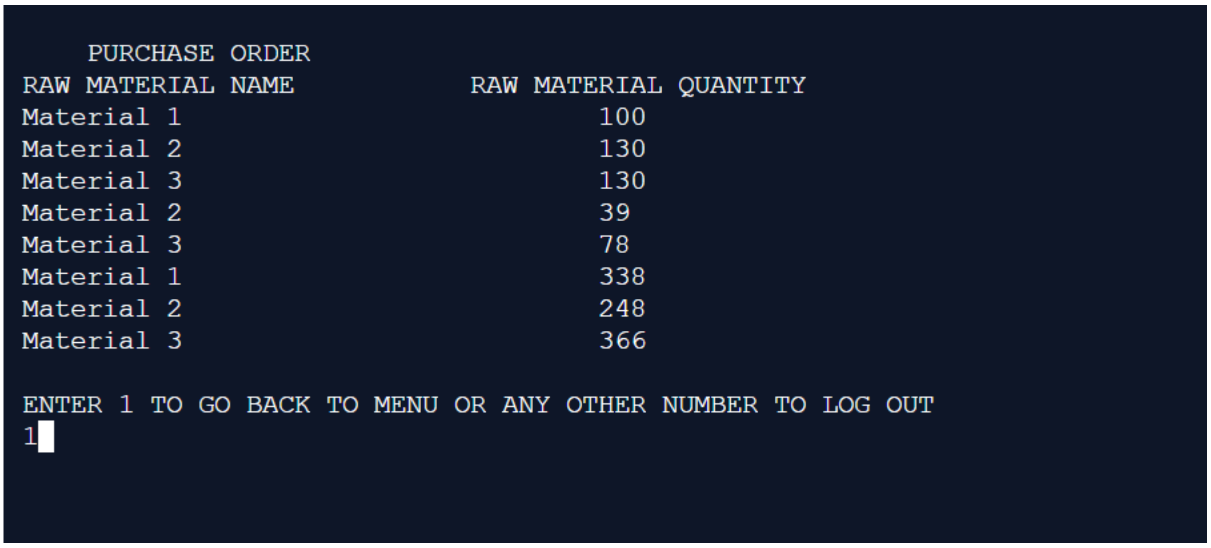


```
Material 1  78
Material 2  57
Material 3  84
NOTE: THE STOCK GETS AUTOREFILLED


ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

TO VIEW PURCHASED RAW MATERIALS:

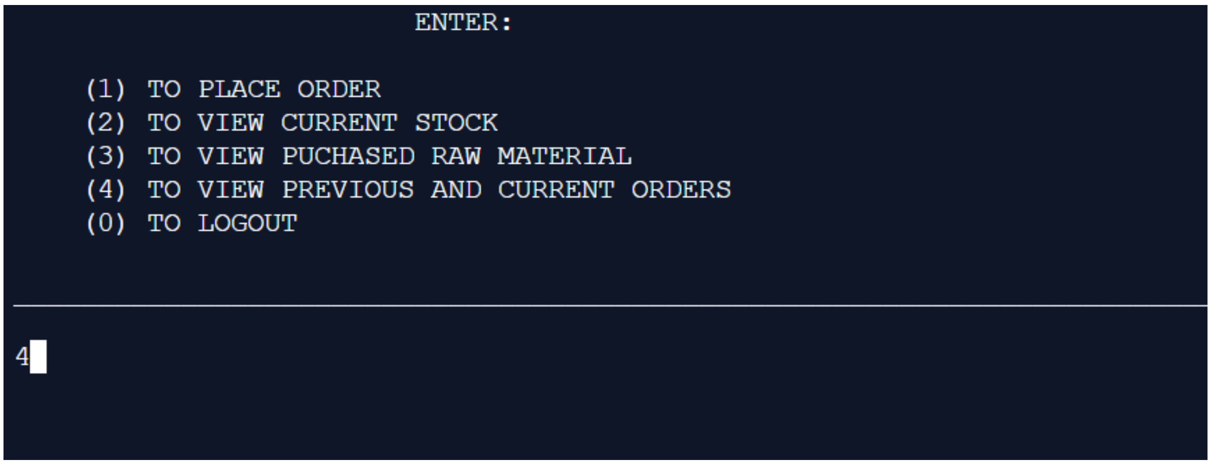


```
                        ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT

3
```

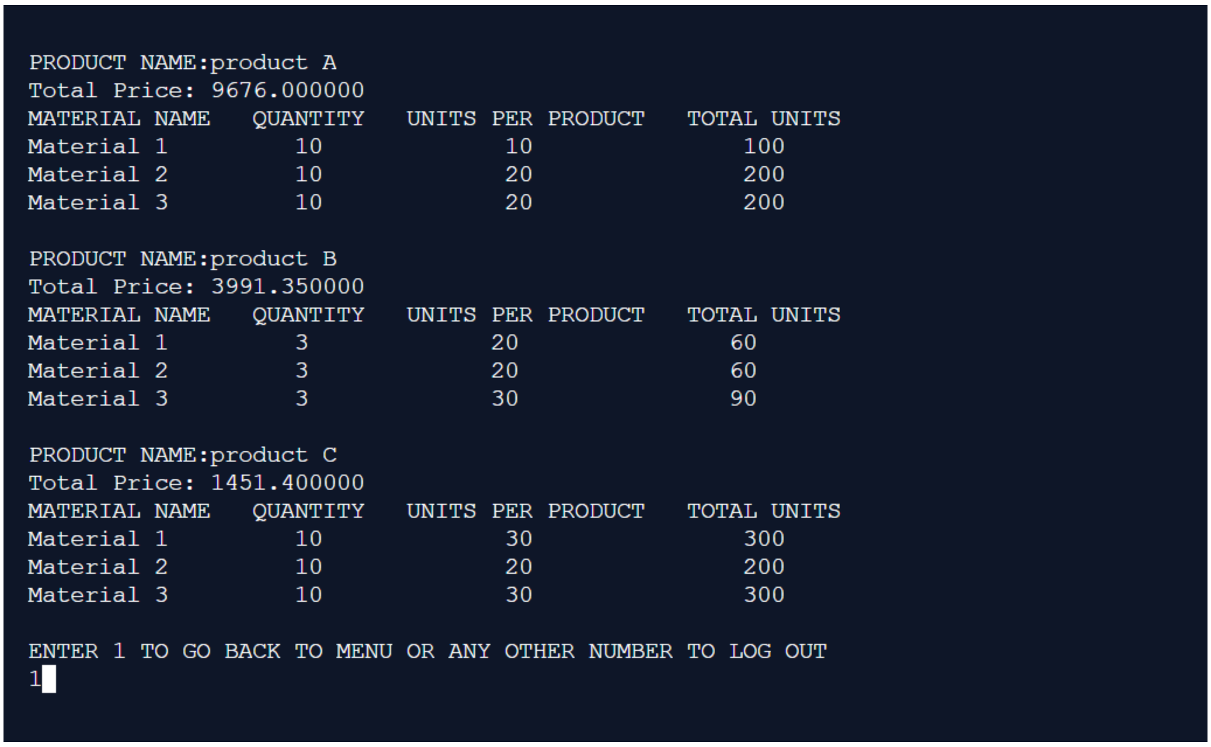


```
    PURCHASE ORDER
RAW MATERIAL NAME            RAW MATERIAL QUANTITY
Material 1                           100
Material 2                           130
Material 3                           130
Material 2                           39
Material 3                           78
Material 1                           338
Material 2                           248
Material 3                           366

ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

TO VIEW CURRENT AND PREVIOUS ORDERS:



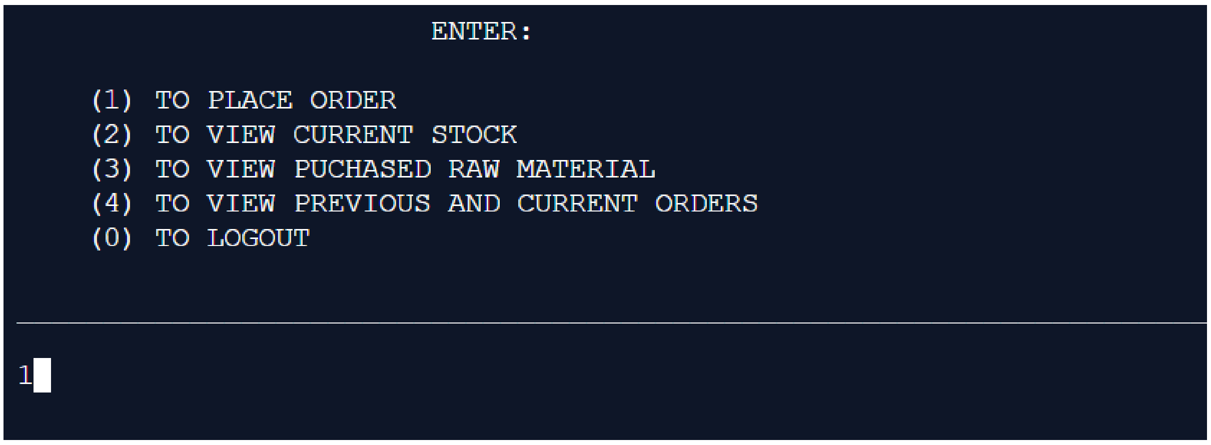
```
                         ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT

4
```



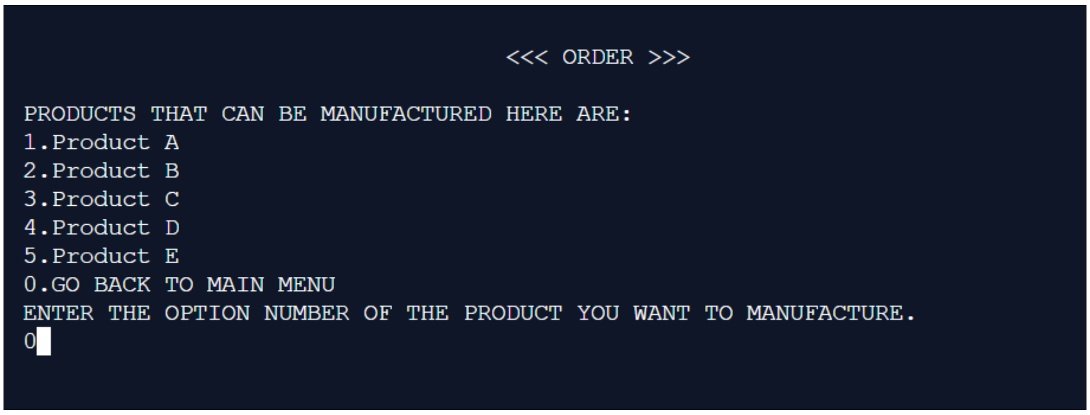
```
PRODUCT NAME:product A
Total Price: 9676.000000
MATERIAL NAME   QUANTITY   UNITS PER PRODUCT   TOTAL UNITS
Material 1         10           10                100
Material 2         10           20                200
Material 3         10           20                200

PRODUCT NAME:product B
Total Price: 3991.350000
MATERIAL NAME   QUANTITY   UNITS PER PRODUCT   TOTAL UNITS
Material 1         3           20                60
Material 2         3           20                60
Material 3         3           30                90

PRODUCT NAME:product C
Total Price: 1451.400000
MATERIAL NAME   QUANTITY   UNITS PER PRODUCT   TOTAL UNITS
Material 1         10           30                300
Material 2         10           20                200
Material 3         10           30                300

ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

SPECIAL CASES:

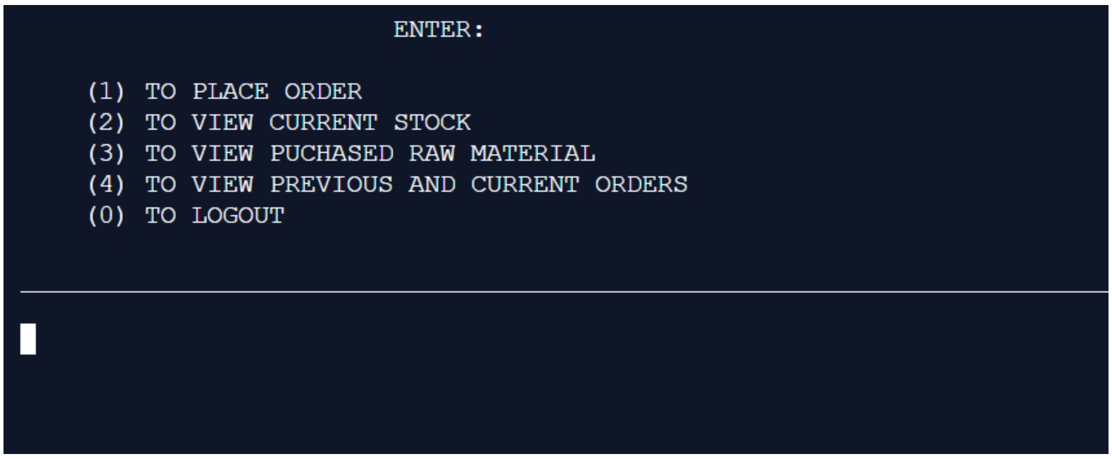
IF USER DOES NOT WANT TO PLACE ORDER PUT CHOOSES THAT OPTION BY MISTAKE, THEN THE USER CAN GO BACK TO MENU:



```
                         ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT

1
```

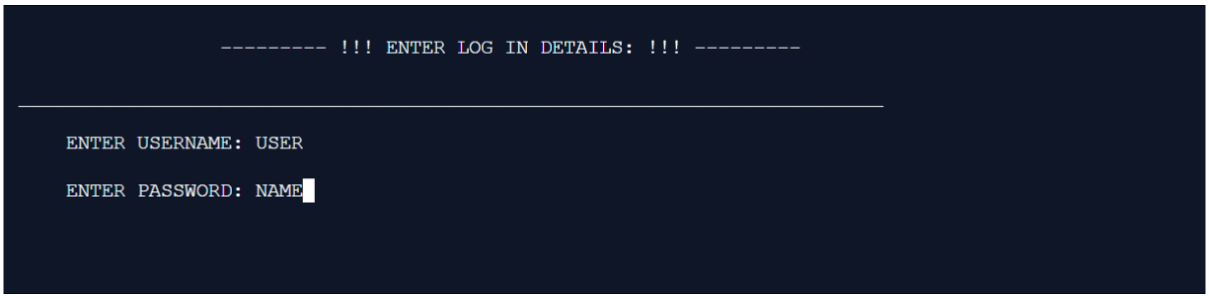


```
                              <<< ORDER >>>

PRODUCTS THAT CAN BE MANUFACTURED HERE ARE:
1.Product A
2.Product B
3.Product C
4.Product D
5.Product E
0.GO BACK TO MAIN MENU
ENTER THE OPTION NUMBER OF THE PRODUCT YOU WANT TO MANUFACTURE.
0
```

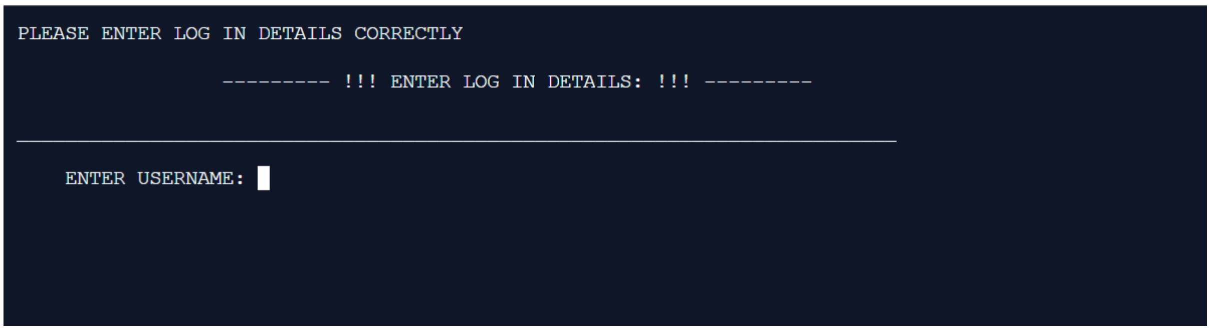


```
                         ENTER:

    (1) TO PLACE ORDER
    (2) TO VIEW CURRENT STOCK
    (3) TO VIEW PUCHASED RAW MATERIAL
    (4) TO VIEW PREVIOUS AND CURRENT ORDERS
    (0) TO LOGOUT
```

IF USER ENTERS WRONG USERNAME OR PASSWORD:

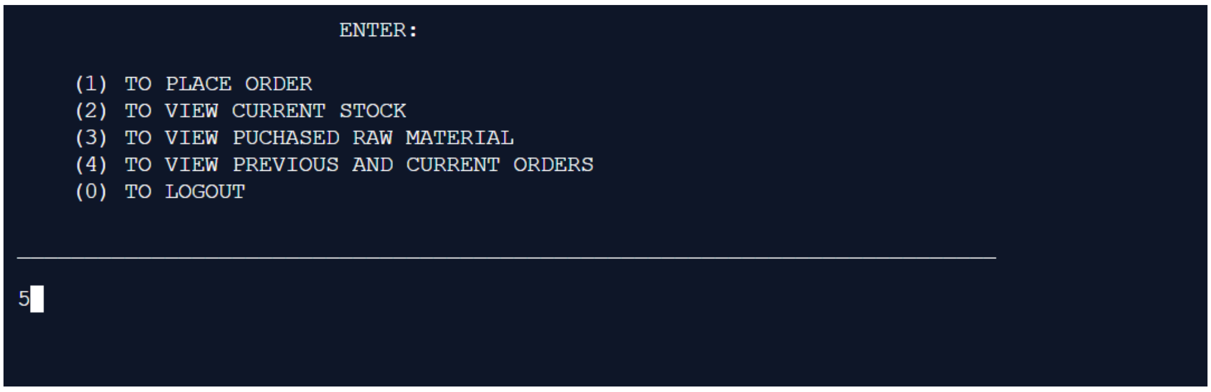


```
                --------- !!! ENTER LOG IN DETAILS: !!! ---------

    ENTER USERNAME: USER

    ENTER PASSWORD: NAME
```

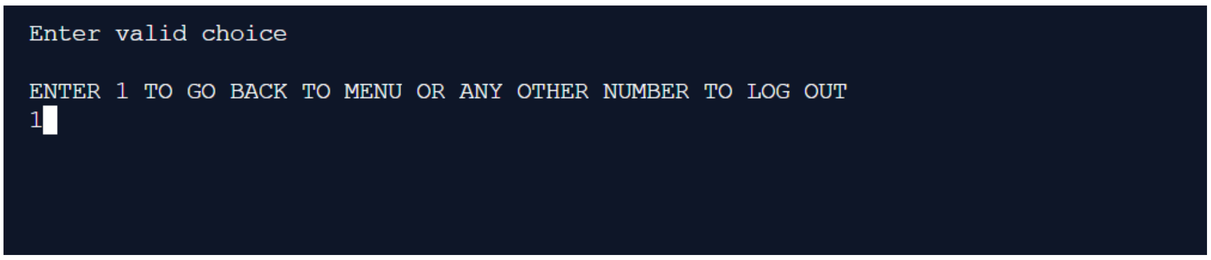


```
PLEASE ENTER LOG IN DETAILS CORRECTLY

                  --------- !!! ENTER LOG IN DETAILS: !!! ---------

____________________________________________________________________________

    ENTER USERNAME:
```

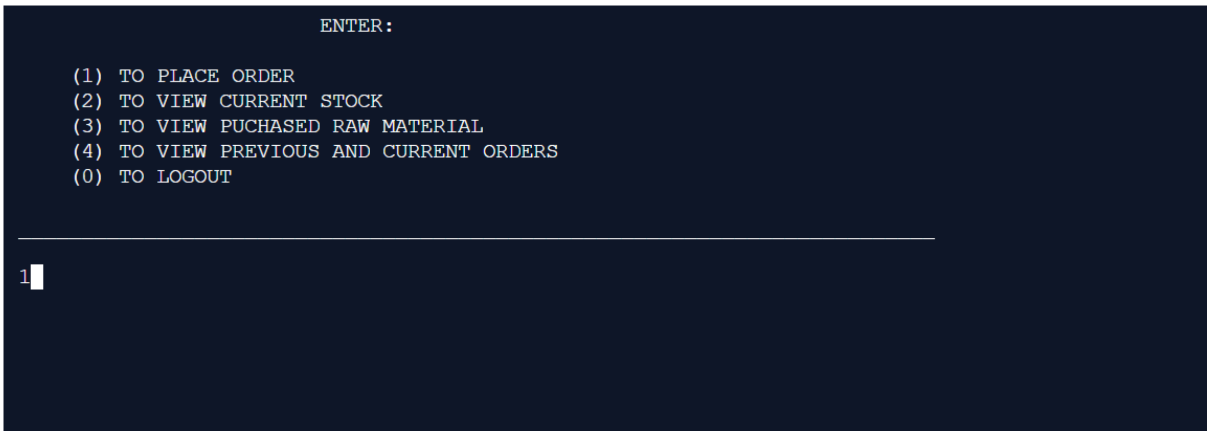
IF USER ENTERS INVALID OPTION NUMBER:



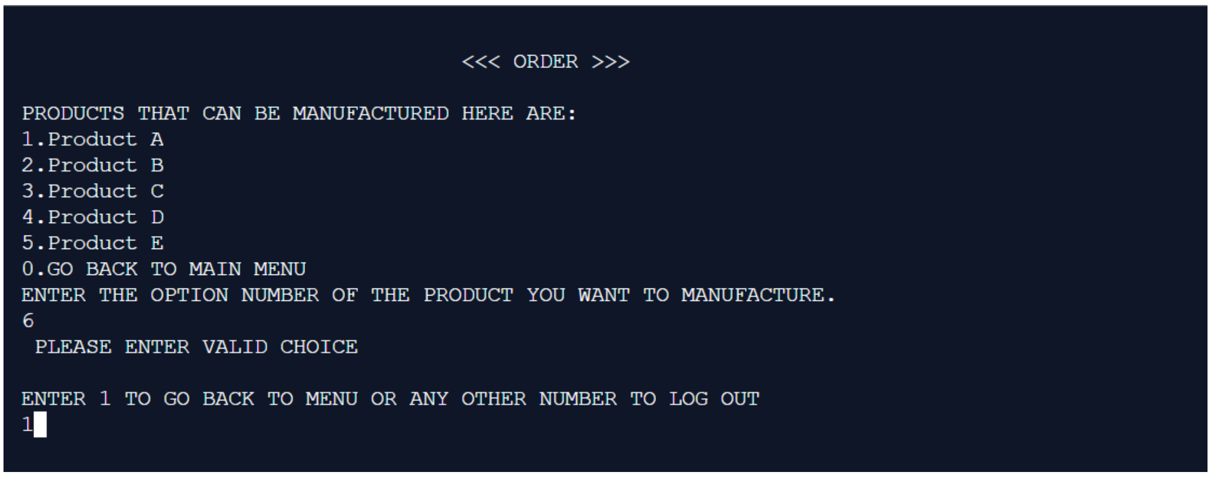
```
                             ENTER:

     (1) TO PLACE ORDER
     (2) TO VIEW CURRENT STOCK
     (3) TO VIEW PUCHASED RAW MATERIAL
     (4) TO VIEW PREVIOUS AND CURRENT ORDERS
     (0) TO LOGOUT

____________________________________________________________________________

5
```



```
Enter valid choice

ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

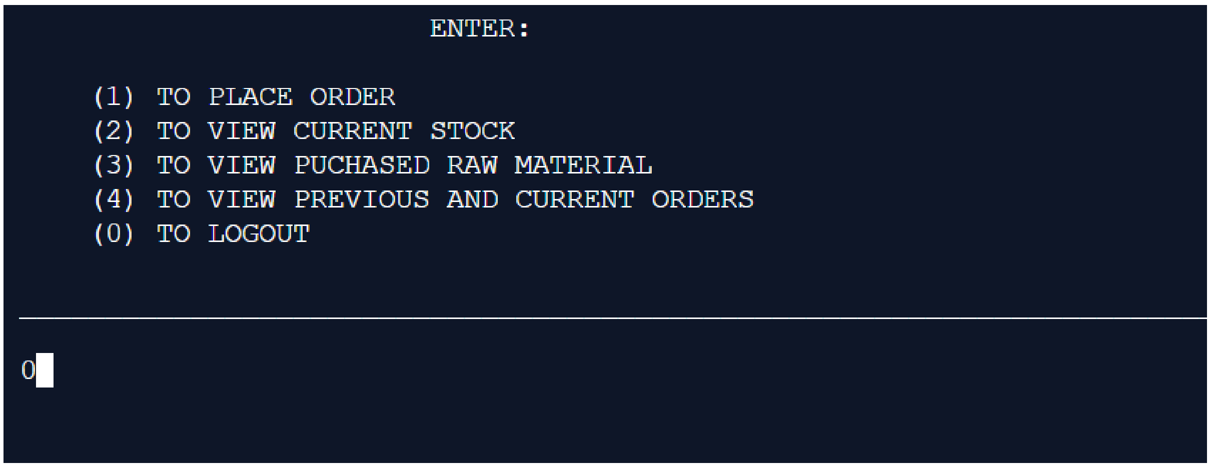


```
                             ENTER:

     (1) TO PLACE ORDER
     (2) TO VIEW CURRENT STOCK
     (3) TO VIEW PUCHASED RAW MATERIAL
     (4) TO VIEW PREVIOUS AND CURRENT ORDERS
     (0) TO LOGOUT

____________________________________________________________________________

1
```



```
                                  <<< ORDER >>>

PRODUCTS THAT CAN BE MANUFACTURED HERE ARE:
1.Product A
2.Product B
3.Product C
4.Product D
5.Product E
0.GO BACK TO MAIN MENU
ENTER THE OPTION NUMBER OF THE PRODUCT YOU WANT TO MANUFACTURE.
6
 PLEASE ENTER VALID CHOICE

ENTER 1 TO GO BACK TO MENU OR ANY OTHER NUMBER TO LOG OUT
1
```

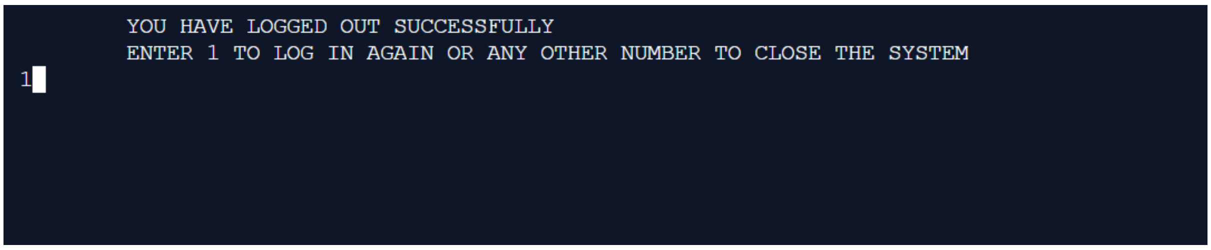
IF USER WANTS TO LOGOUT :



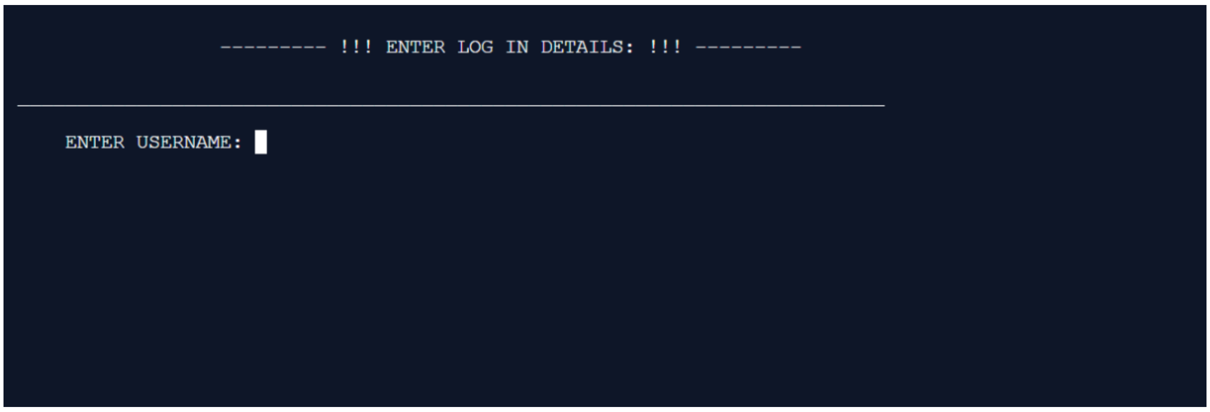
```
                              ENTER:

      (1)  TO PLACE ORDER
      (2)  TO VIEW CURRENT STOCK
      (3)  TO VIEW PUCHASED RAW MATERIAL
      (4)  TO VIEW PREVIOUS AND CURRENT ORDERS
      (0)  TO LOGOUT

0
```

CASE 1:

IF USER WANTS TO LOG IN AGAIN:

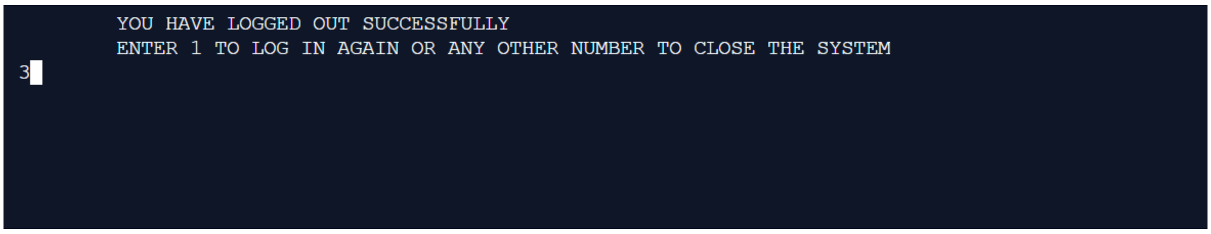


```
        YOU HAVE LOGGED OUT SUCCESSFULLY
        ENTER 1 TO LOG IN AGAIN OR ANY OTHER NUMBER TO CLOSE THE SYSTEM
1
```

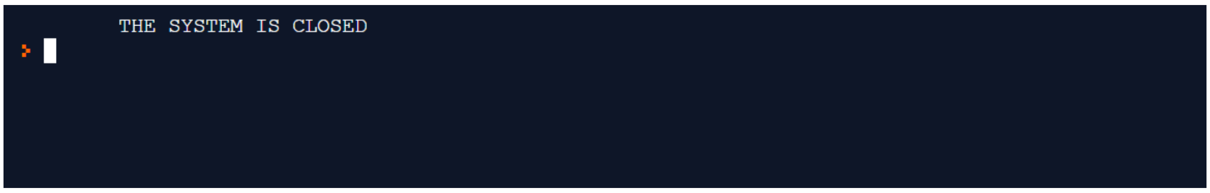


```
                 --------- !!! ENTER LOG IN DETAILS: !!! ---------
 ________________________________________________________________________

    ENTER USERNAME:
```

IF USER WANTS TO CLOSE THE SYSTEM:



```
         YOU HAVE LOGGED OUT SUCCESSFULLY
         ENTER 1 TO LOG IN AGAIN OR ANY OTHER NUMBER TO CLOSE THE SYSTEM
3
```



```
         THE SYSTEM IS CLOSED
>
```