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Class:-B

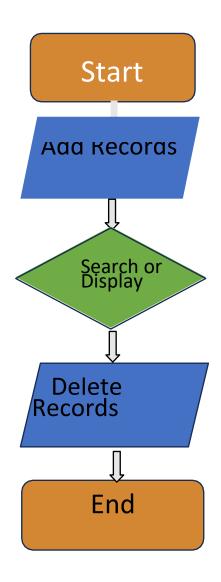
ESFP-II

Practical 3:

DMA: Definition: Purchase Billing Report.

In a model town, there is one stationary shop where you can purchase all cosmetic product items. So, the shop owner wants to make a project for his shop for managing product sales and purchasing record status in a proper format. For that, you have to make a program, where, if a customer wants to purchase a product from a shop, for that, you have to take input as product id, product name, product qty, product price from customer. Accordingly, you have to print the purchase bill on screen as product id, product name, product gty, product price and product total price format. And as per customer choice you can also search the product list item from store by product id or product name, if you want to delete records from purchase list you can also perform. So, as per the above given scenario make a proper dynamic memory allocation program with the help of structure, where you have to perform all above given said requirements.

[Note: Perform this program using a single linked-list concept].



Code:

```
#include<stdib.h>
#include<stdib.h>
#include<stdip.h>
#include<stdip.h>
#include<stdip.h>
#include<stdip.h>
#include<stdip.h>
#include<stdip.h>
#include<stdip.h>
#include<stdip.h>
#include<stdip.h

#int difference
#in
```

```
for (ptr = start; ptr != NULL; ptr = ptr->next) {
    printf("%d %s %d %f %f\n", ptr->id, ptr->name, ptr->qty, ptr->price, ptr->tpri);
}

for (ptr = start; ptr != NULL; ptr = ptr->name, ptr->qty, ptr->price, ptr->tpri);
}

printf("%d %s %d %f %f\n", ptr->id, ptr->name, ptr->qty, ptr->price, ptr->tpri);
}

for (ptr = start; ptr != NULL);

printf("%d %s %d %f %f\n", ptr->id, ptr->name, ptr->qty, ptr->price, ptr->tpri);
}

for (ptr = start; ptr != NULL);

printf("%d %s %d %f %f\n", ptr->id, ptr->name, ptr->qty, ptr->price, ptr->tpri);
}

for (ptr = start; ptr != NULL);

printf("%d %s %d %f %f\n", ptr->id, ptr->name, ptr->qty, ptr->price, ptr->tpri);
}

for (ptr = start; ptr != NULL);

for (start = start; ptr != NULL);

printf("start = start; ptr != start; ptr != start; printf("PID PName PQty Pprice PTprice\n");
while (ptr != NULL);

for (searchOption == 1 && ptr->id, ptr->name, ptr->qty, ptr->price, ptr->tpri);
break;
}

ptr = ptr->next;
}

for (ptr = start; ptr != start; ptr != start; printf("PID PName PQty Pprice PTprice\n");

break;
}

for (ptr = start; ptr != start; ptr != start; printf("PID PName PQty Pprice PTprice\n");

break;
}

for (ptr = start; ptr != start; ptr != start; printf("StD PName PQty Pprice PTprice\n");

break;
}

for (ptr = start; ptr != start; ptr != start; printf("StD PName PQty Pprice PTprice\n");

break;
}

for (ptr = start; ptr != start; ptr != start; printf("StD PName PQty Pprice PTprice\n");

break;
}

for (ptr = start; ptr != start; ptr != start; printf("StD PName PQty Pprice PTprice\n");

break;
}

for (ptr = start; ptr != start; ptr != start; printf("PID PName PQty Pprice PTprice\n");

break;
}

for (ptr = start; ptr != start
```

Output:

```
1. Add Record
2. Display Records
3. Search Record
4. Delete Record
5. Exit
Enter your choice: 1
Enter PID, Pname, Pqty, Pprice: 1 Bat 2 15000
     1. Add Record
2. Display Records
3. Search Record
4. Delete Record
5. Exit
Enter your choice: 1
Enter PID, Pname, Pqty, Pprice: 2 Bowl 5 75
     1. Add Record
2. Display Records
3. Search Record
4. Delete Record
5. Exit
Enter your choice: 1
Enter PID, Pname, Pqty, Pprice: 3 Glove 3 1500
     1. Add Record
2. Display Records
3. Search Record
4. Delete Record
5. Exit
Enter your choice: 3
Do you want to find individual product information (y/n)?: y
How do you want to find product information by ID or by Name: 1 for ID and 2 for Name: 2
Enter product Name: Glove
PID PName PQty Pprice PTprice
3 Glove 3 1500.000000 4500.000000
1. Add Record
2. Display Records
3. Search Record
4. Delete Record
4. Delete Record
5. Exit
Enter your choice: 4
Do you want to delete product record (y/n): y
How do you want to delete product process of the product ID: 3
Enter Product ID: 3
Enter Product ID: 3
Fine Product Product ID: The product Information Fine Product ID: Plane PQty Pprice PIPrice
1 Bat 2 15900.000000 375.0000000
2 Bowl 5 75.0000000 375.0000000
1. Add Record
2. Display Records
3. Search Record
4. Delete Record
5. Exit
Enter your choice: 5
```