Experiment 4

ALGORITHM

Step 1: Start

Step 2: Declare the file pointer fp.

Step 3: Declare structure Asset with variables “no”, “name” and “price”.

Step 4: Declare variables choice of type integer.

Step 5: open the file in append mode using fopen instruction.

Step 6: call the do while loop
read the input Asset no, Asset name, Asset price.

Step 7: print the message to add new record and read the input.

Step 8: close the file and stop.

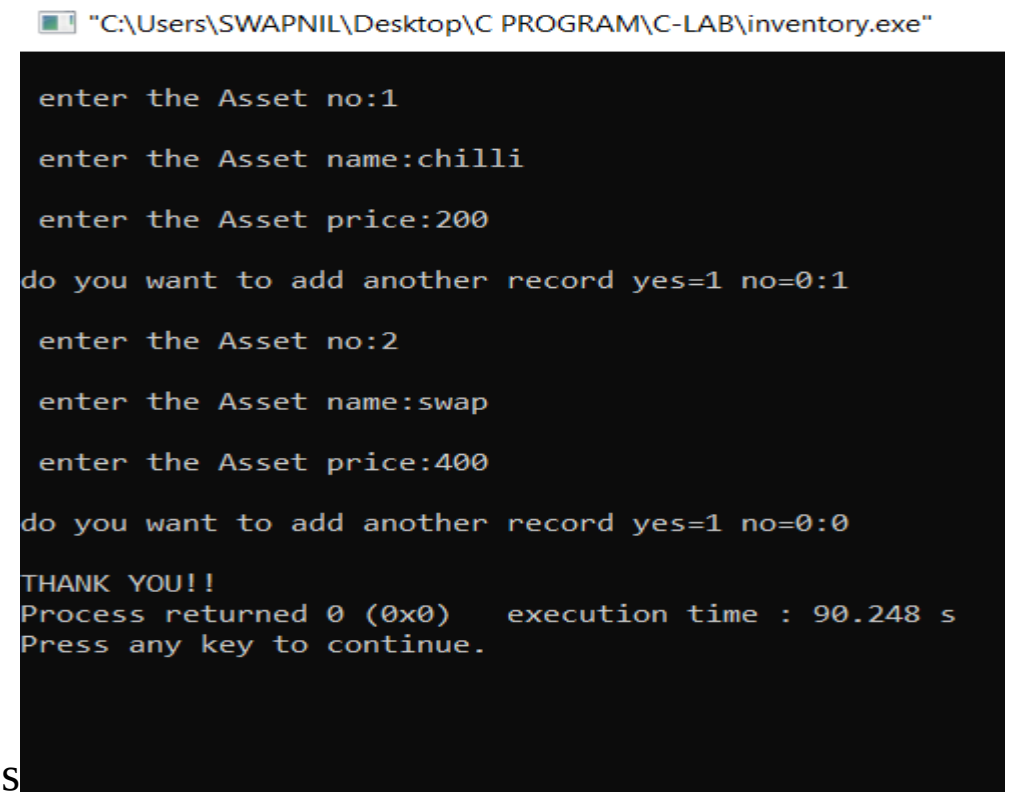
Code :-

```
//implement a simple inventory using data files in c
#include<stdio.h>
int main()
{
   FILE *fp;                //declare the file pointer
   typedef struct           //declare the Asset structure
   {
      int no;
      char name[20];
```

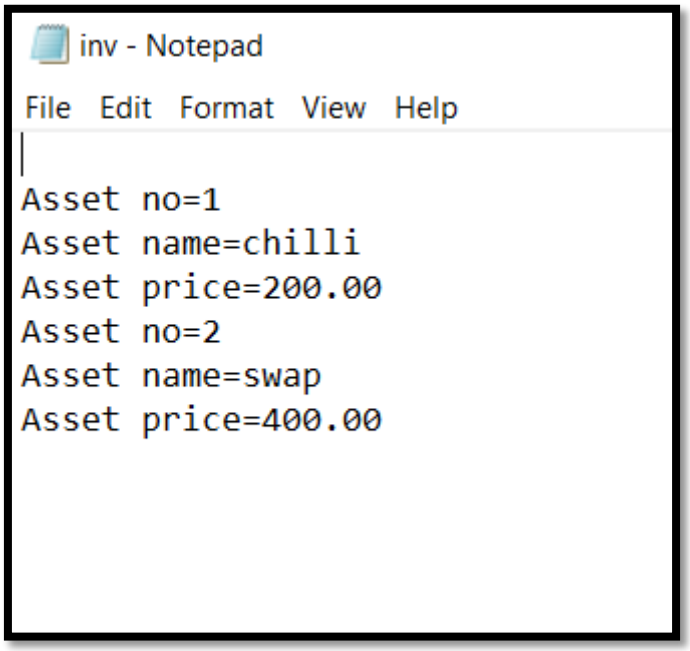
```
    float price;
}Asset;

Asset a;
int choice;
 fp=fopen("inv.txt","a");              //open the file
 if(fp==NULL)
 {
          printf("file does not exist\n");        //check the availability of
                                                   file
  return;
 }
 do
 {                                                 //read the inputs
    printf("\n enter the Asset no:");
    scanf("%d",&a.no);
    fprintf(fp,"Asset no=%d\n",a.no);

    printf("\n enter the Asset name:");
    scanf("%s",&a.name);
    fprintf(fp,"Asset name=%s\n",a.name);

   printf("\n enter the Asset price:");
```

```
    scanf("%f",&a.price);
    fprintf(fp,"Asset price=%0.2f\n",a.price);

    printf("\ndo you want to add another record yes=1 no=0:");
    scanf("%d",&choice);
  }while(choice);
  printf("\nTHANK YOU!!");
 fclose(fp);                                  //close the file
 return 0;}
```

OUTPUT:



S


inv - Notepad
File Edit Format View Help
Asset no=1
Asset name=chilli
Asset price=200.00
Asset no=2
Asset name=swap
Asset price=400.00