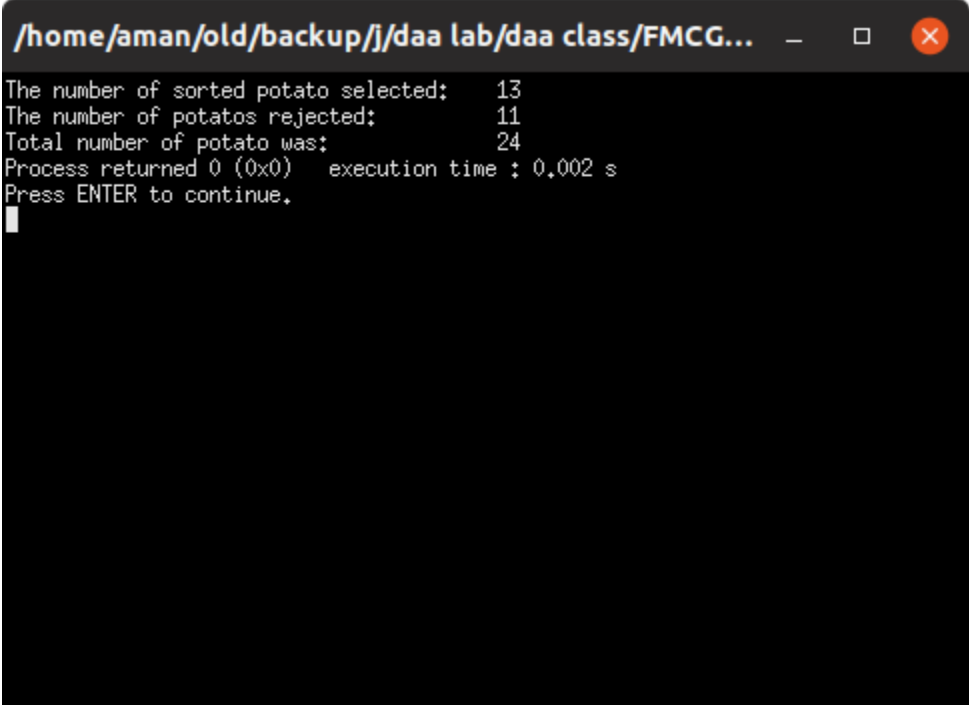


FMCG Problem

```
#include<stdio.h>
int main()
{
    //Assuming all 6 conveyors are of same size and capacity that is 4 potato each
    int c=0,c1=0,c2=0;
    float a[5][3]={ {100,115,219,153.57},{122,217,239,153.53},{109,114,207,154.5},{110,154,280,7},{122,163,20,57},
{50,116,207,800.57}};
    for(int j=0 ;j<6 ;j++)
    {
        /*
        Here we can use a recursive function also it would be easier to backtrack.
        But after every call a new stack would be generated that is increase the space required.
        We are creating this project for a FMCG so this program should take least time and space of the enterprise's system.
        */
        for (int i=0;i<4;i++)
        {
            c++;
            if(a[j][i]<=200 && a[j][i]>=100)
            {
                c1++;
            }
            else
            {
                c2++;
            }
        }
    }
    printf("The number of sorted potato selected: \t %d \nThe number of potatoes rejected: \t %d\nTotal number of potato
was: \t\t %d",c1,c2,c);
    return 0;
}
```



```
/home/aman/old/backup/j/daa lab/daa class/FMCG... - □ ×
The number of sorted potato selected: 13
The number of potatoes rejected: 11
Total number of potato was: 24
Process returned 0 (0x0)   execution time : 0.002 s
Press ENTER to continue.
█
```