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Q1)

Code & Output:

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```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <stdbool.h>
4 int main()
5 {
6     int n,m,count=0;
7     while(true)
8     {
9         scanf("%d",&n);
10        if(n>1 && count<=1)
11        {
12            break;
13        }
14        else if(n<1 && count<=1)
15        {
16            printf("Invalid input, enter details again\n");
17            count++;
18        }
19        else
20        {
21            printf("Invalid, number of elements must be more than 1\n");
22            printf("You have given invalid input 2 times and more, you cannot continue.Thanks.\n");
23            exit(0);
24        }
25    }
26    int arr1[n];
27    for(int i=0;i<n;i++)
28    {
29        scanf("%d",&arr1[i]);
30    }
31    count=0;
32    while(true)
33    {
34        scanf("%d",&m);
35        if(m>1 && count<=1)
36        {
37            break;
38        }
39        else if(m<1 && count<=1)
40        {
41            printf("Invalid input, enter details again\n");
42            count++;
43        }
44        else
45        {
46            printf("Invalid, number of elements must be more than 1\n");
47            printf("You have given invalid input 2 times and more, you cannot continue.Thanks.\n");
48            exit(0);
49        }
50    }
51    int arr2[m];
52    for(int i=0;i<m;i++)
53    {
54        scanf("%d",&arr2[i]);
55    }
56    int arr[m+n];
57    int c=n-1;
58    for(int i=0;i<(m+n);i++)
59    {
60        if(i<m)
61        {
62            arr[i]=arr1[i];
63        }
64        else
65        {
66            arr[i]=arr2[c--];
67        }
68    }
69    for(int i=0;i<(m+n);i++)
70    {
71        printf("%d ",arr[i]);
72    }
73    for(int i=1;i<(m+n);i++)
74    {
75        int temp=arr[i];
76        for(int j=i-1;j>=0;j--)
77        {
78            if(arr[j]>temp)
79            {
80                int k=arr[j+1];
81                arr[j+1]=arr[j];
82                arr[j]=k;
83            }
84        }
85    }
86    printf("\n");
87    for(int i=0;i<(m+n);i++)
88    {
89        printf("%d ",arr[i]);
90    }
91    }
92 }
```



Q2)

Code & Output:



```
1 #include<stdio.h>
2 #include<stdlib.h>
3 #define MAX 5000
4 int main()
5 {
6     void balance_check(int);
7     while(true)
8     {
9         printf("%d\n", bal);
10        scanf("%d", &n);
11        if(n>1 && count<=1)
12        void withdraw()
13        {
14            break;
15            int amt;
16            scanf("%d", &amt);
17            if(amt<bal)
18            {
19                bal -= amt;
20                printf("Invalid input, enter details again\n", bal);
21            }
22            else
23                printf("Insufficient funds");
24        }
25        printf("Invalid, number of elements must be 2\n");
26        printf("You have given invalid input 2 times\n");
27        void deposit()
28        {
29            int amt;
30            scanf("%d", &amt);
31            bal += amt;
32            printf("%d\n", bal);
33        }
34        int main()
35        {
36            scanf("%d", &arr1[i]);
37            counter = 0;
38            while(true)
39            {
40                if(enter != pin)
41                {
42                    scanf("%d", &connect_pin);
43                    if(connect_pin == pin && count<=1)
44                    {
45                        int ch;
46                        break;
47                        do {}
48                        {
49                            if(ch == 1 && count<=1)
50                            {
51                                switch(ch)
52                                {
53                                    printf("Invalid input, enter details again\n");
54                                    case 1:
55                                        balcheck();
56                                    else break;
57                                    case 2:
58                                        printf("Invalid input, number of elements must be 2\n");
59                                        printf("You have given invalid input 2 times\n");
60                                        case 3:
61                                            deposit();
62                                            break;
63                                    case 4:
64                                        printf("Thanks for the Transaction");
65                                }
66                                for(int i=0; i<10; i++)
67                                {
68                                    default:
69                                        scanf("%d", &arr2[i]);
70                                }
71                                while(true)
72                                {
73                                    int c=n-1;
74                                    for(int i=0; i<(m+n); i++)
75                                    {
76                                        if(i<m)
```

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Q3)

Code & Output:



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