```
#include<stdio.h>
    void main()
11 - {
        int bsize[10], psize[10], bno, pno, flags[10], allocation[10], i, j;
12
        for(i = 0; i < 10; i++)
13
14 -
         {
15
             flags[i] = 0;
             allocation[i] = -1;
16
 17
 18
         printf("Enter no. of blocks: ");
 19
         scanf("%d", &bno);
 20
         printf("\nEnter size of each block: ");
         for(i = 0; i < bno; i++)
 21
 22
              scanf("%d", &bsize[i]);
 23
          printf("\nEnter no. of processes: ");
          scanf("%d", &pno);
  24
  25
          printf("\nEnter size of each process: ");
          for(i = 0; i < pno; i++)
  26
  27
              scanf("%d", &psize[i]);
  28
          for(i = 0; i < pno; i++)
                                            //allocation as per first fit
  29
               for(j = 0; j < bno; j++)
   30
                   if(flags[j] == 0 && bsize[j] >= psize[i])
   31 -
   32
                       allocation[j] = i;
   33
                       flags[j] = 1;
   34
                       break;
   35
           //display allocation details
    36
    37
           printf("\nBlock no.\tsize\t\tprocess no.\t\tsize");
    38
            for(i = 0; i < bno; i++)
    39
                    tf("\n%d\t\t%d\t\t", i+1, bsize[i]);
```

```
("\nEnter size of each block: ");
75 G
           r(i = 0; i < bno; i++)
scanf("Xd", &bsize[i]);
23
         printf("\nEnter no. of processes: ");
         scanf("Xd", &pno);
24
         printf("\nEnter size of each process: ");
25
         for(i = 0; i < pno; i++)
26
27
             scanf("%d", &psize[i]);
         for(i = 0; i < pno; i++)
28
                                           //allocation as per first fit
29
             for(j = 0; j < bno; j++)
 30
                 if(flags[j] == 0 && bsize[j] >= psize[i])
 31 -
 32
                      allocation[j] = i;
 33
                      flags[j] = 1;
 34
                      break:
 35
 36
         //display allocation details
 37
         printf("\nBlock no.\tsize\t\tprocess no.\t\tsize");
 38
         for(i = 0; i < bno; i++)
 39 -
 40
              printf("\n%d\t\t%d\t\t", i+1, bsize[i]);
  41
              if(flags[i] == 1)
  42
                  printf("%d\t\t%d",allocation[i]+1,psize[allocation[i]]);
  43
              else
  44
                  printf("Not allocated");
  45
  46
                 Di
                                                                                        32°C Haze < (3 (5 (4)) #
```

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```
* 3
Enter no. of blocks: 3
Enter size of each block: 8
10
12
 Enter no. of processes: 3
 Enter size of each process: 12
 14
  56
                                                        size
                                  process no.
                  5126
                                  Not allocated
Block no.
                                  Not allocated
                   12
                   ... Program finished with exit code
   Press ENTER to exit console.
```

