Name - Metali Arora
Course - BSC. IT
Section - 2B
University Roll no - 2023066
Student ID - 20052094
Campus - Dehradun
Subject Code - PBI - 202
Subject Name - Operating System
Roll no. - 97.

(1)

Metali

Ques1 - Program for Worst-Fit Memory Allocation

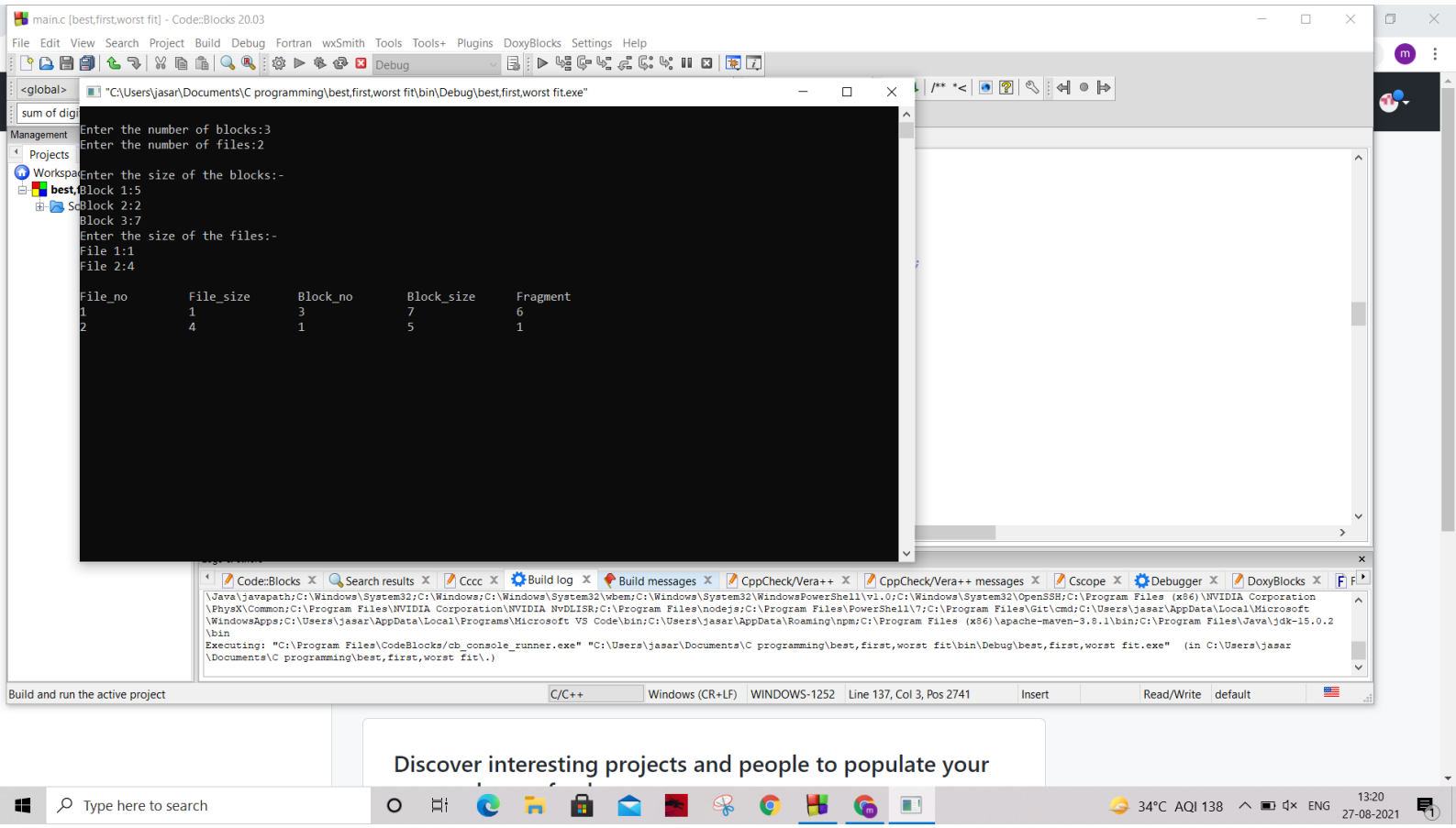
```
#include <stdio.h>
#include <conio.h>
#define Max 25
void main()
{
int frag[max], b[max], f[max], i, j, nb;
int nf, temp, highest=0;
static int bf[max], ff[max];
printf("Enter the number of blocks\n");
scanf("%d", &nb);
printf("Enter the number of files:");
scanf("%d", &nf);
```

```
printf("Enter the size of the blocks :-\n");
for(i=1; i<=nb; i++)
{
printf("Block %d:", i);
scanf("%d", &b[i]);
}
printf("Enter the size of the files :-\n");
for(i=1; i<nf; i++)
{
printf("File %d:", i);
scanf("%d", &f[i]);
}
for(i=1, i<=nf; i++)
{
for(j=1; j<=nb; j++)
{
if(bf[j] != 1)
{
temp = b[j] - f[i];
if(temp>=0)
if(highest < temp)
{
```

Mehali

```
            ff[i] = j ;
            highest = temp ;
          }
        }
      }
      frag[i] = highest ;
      bf[ff[i]] = 1 ;
      highest = 0 ;
    }
    printf("\nFile_no \tFile_size \tBlock_no
            \tBlock_size \tFragment");
    for(i=1 ; i<nf ; i++)
    printf("\n%d \t\t%d \t\t%d \t\t%d \t\t%d",
            i, f[i], ff[i], b[ff[i]], frag[i]);
    getch();
    }
```

Vetali



Discover interesting projects and people to populate your