```
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 BSCIT - 2 'B'
Ans. # include <stdo.h7.
      # include < ctype h7
      # include < limits h)
    # include < math. h)
    # include < stdboot.h >
    # include < St-ddef. h7
   # include < stdin.h >
   # include <stdlib.h)
   # include < string . h7
  chan * headline ();
  chan * Itrim (chan *);
  chan * retirm (chan *);
 int parse_ int (char *);
 int main ()
& File * fptr = jopen (geten ("Output - PATH"), "w");
  int n = parse - int ( Itim ( ktrim ( head line ())));
  int ** customers = malloe (n * size of (int *));
 for ( int i=0; i < n; i++).
 of * (customers + i) = malloc (2 * ( Nice of (int)));
  chan ** customers_ item-temp = split - string ( rtrium ( readling)).
 for ( int j = 0; j < 2; j++)
 of int customers - item = parse - int ( * ( customers-item-
   temp + j ));
```

```
int result = minimum Average (n, 2, customers);
thrintf (fptr, "/d\n", result);
fclose (fpti);
keturn 0 ;
char * readline () §
size-t alloc - length = 1024;
 size - t data length = 0;
 chan * data = malloc (alloc = length);
 ohan * Line = facts (cursor, alloc - length; data - Length, stdin);
 while (true)
  of (! Line)
if (deta - length < alloc_ length -1 11 data [data-length-1] == '\n')
 & break; 3.
 & break; 3
alloc - length << = 1;
data = relloc (data, alloc - length);
 of (! data) ?
 data = (\0);
break;
if (data (data - length -1] = = (\n)) &
   data [data = length -1] = '10'; 3 4
```

```
& data = ne alloc (data, data - lengt
of (!data)
 a data = 101;
 3 else &
 data [data - length] = "10";
return data;
char * Itrim (char * str)
à if (18tr) &
 return (10);
 4 (! str) &
 return str;
while ( * str ! = "10" $ 8 isspace (* str)) }
3h++;
return str;
char * Htrim (char * str) &
4 (! 154) 9
retur' 10 ";
if (!* str) ?
return str ;
chan * ind = str + strlen (str) -1;
while ( end > = str 88 is space ( + end)) }
```

```
* (end+1)= (10);
Ketrum str 3
char * * split - string ( char * str)
& chan * * splits = NULL;
 chan * token = strtok (str,
int spaces = 0;
while (token) of
splits = nelloc (splits, sive of (chan *) * + + spaces);
of (! spits) &
 neturn splits;
splits (spaces -1 ] = token;
token = strtok (NULL, & >>);
retur spits;
int passe - int (char + str) &
Char * endptr;
ind value = strtol (str, & endptr, 10);
if [ end ptr = = str / + end ptr ! = ( 10)
2 exit (EXIT - FAILURE); 3
return value;
```