Datastructure

1BM19CS162
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#include <stdio.h>
int n;
typedef struct student {
 int i, a;
 float m;
 char name[100], id[30];
 } std;
 void collect (std s[n])
 {
 for (int i=0; i<n ; i++) {
 printf ("enter the details of student %d : \n", i+1 );
printf (" Enter student id : ");
 Scanf ( "%s", &s[i].id);
 printf ( " Enter student name: " );
 scanf ( "%s", &s[i].name);
 printf ( " Enter student age : ");
 scanf ( "%d", &s[i].a);
printf ( " Enter student marks : " );
scanf ( "%d", &s[i].m);
 }
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void ability(std s[n]).
{
  int count = 0;
for (int i=0; i<n; i++) {
   if (s[i].a >20 && s[i].m>20)
   {
printf ("student name: %s \n Age: %d \n.
  marks: %.f \n U R QUALIFIED", s[i].name,
  s[i].a, s[i].m);
   count++;
   }.
if (s[i].a <20){
    printf(" \n student %d is not eligible due to
        lower age %d ", i+1, s[i].a); }
if (s[i].m <65){
    printf(" \n student %d is not eligible due to
        lesser marks %.d ", i+1, s[i].m); }
printf (" \n Total number of eligible students: %d",
        count );
  }
  int main()
  {
```

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```
print ("enter the number of student: ");
 scanf ("%d", &n);
 std s[n]
collect(s);
eligibility (s);
 return 0;
}
```