| | Nom | 10 - 60004200132 e: Ayush Jain |
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| 23/08/2021 | | ch- Computer Engineering |
| | Computer Programming | |
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| | | |
| Q-1 | | |
| \rightarrow | A function that calls itself is called a | |
| | function. A recursive function must d | |
| | condition that exists from calling the | |
| | Hence there must be a condition that | |
| | itself of that condition is true. If the | condition is false |
| | then it will exit from the loop of | calling itself again. |
| | P | |
| | Bedraw | |
| | # include estation> | |
| | # Include < conid h > | |
| | void main () | |
| | { | |
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 Q. 2) Program
         # Include estation>
         int binary Search (Intarr[], int 10w, int high, int key)
              if ( high < low)
                  return -1;
            int mid = (low + high)/2; low + (high-low)/2;
if ( Key = = arr[mid])
               return mid;
         if ( Key > arr [mid])
             return binary Search (arr, bw, (mid -1), key);
         Int main ()
         5
           Pot arr [10];
           int n,c, key;
           Printf (" Enter size of assoy: ");
           sconf (" Ester " ( d", & c);
          Printf (" Enter a sorted array: ");
          for ( "nt "=0; i < c; 1++) &
           scont ("1.d", & a 20 [i])
           n=sizeof(arr) /sizeof(arr[0]);
           Print + (" Entre Key: ");
           scorf (" 1.2", & Key);
          Pointf (" Index: 1.d \n", binary Search (arr, 0, n-1, key));
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| | Output: |
| | starf at |
| | |
| | Enter size of array: 5 |
| | Enter a sorted array: 1 2 3 4 5 |
| | Enter key: 2 |
| | |
| | Index: 1 |
| | |
| Q · 3> | blodraw: |
| | |
| | # include < stdio h> |
| | The mediate catalon |
| | void change (int * num) |
| 1 | 3 |
| | Printf "Before adding value inside bunction num = %. |
| | 3 |
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