



```
Code:
int[] run = new int []{2, 5, 7, 10, 13, 16]; int target = 10
int low = 0 y -> Search space int ligh = num.length -1;
while (low <= high) } > atleast one element in search space)
     int mid = low + (high-low)/2; -> calculating mid
     if (run[mid] = = target) {
          return mid; >>
                                         -> Stifting law/high to reduce the
     Jelse if ( run [ mid] > target) {
                                           Search Ipace
       high = Mid -1;
      Jolse {
       low=nid+1;
neturn + ( not found);
```





