```
DETAILS
No.
                                                                          STUDENT REPORT
 Roll Number
                                              3BR
                                                                                   .5103
              3BR23CS103
               3BR23
                    103 38R272 CS103
          EXPERIMENT
 Title
                                                                                                                                                          38R<sup>13</sup>E5<sup>103</sup> 38R<sup>13</sup>E5<sup>1</sup>
            SUB ARRAY WITH MAX SUM
 JB.
            Description
               You are given a list of integers, and your task is to find the subarray with the maximum sum. Write a function or method to solve this problem efficiently
               and return the maximum sum.
 22355103
               Input:
               n: the no of elements in the array
 355103388
               nums (List of integers): A list of integers (1 <= len(nums) <= 10^5)
                                                                                                                                                                    55103 3BR
               Sample input:
               8
 5103 3HR21
               -1 2 3 10 -4 7 2 -5
                                                                                                                                                                    5,03 3BR27
               Sample output:
               20
               Explanation:
                                                                                                                                                                    33 3BR 23C
               The max subarry sum is 20. The subarray is [2,3,10,-4,7,2]
  3BR23C51
                                                                                                                                                       .5,0338.
                                                                                                                                     OS SBRIV
            Source Code;
                                        5103
               n=int(input())
               l=list(map(int,input().split()))
               s=1[0]
               ms=1[0]
               for i in range(1,n):
                     s=max(l[i],s+l[i])
                                                                                                                                               ms=max(ms,s)
                                                                                                                                                   38R<sup>13</sup>5R<sup>23</sup>5R<sup>23</sup>5C<sup>3</sup>78R<sup>23</sup>C<sup>5</sup>
               print(ms)
                                                                                                                                 3.38e273510536e27378e27.
                                                  23.5503 38R235503 38E
                                                                                                                             238RL3200 378RL320
                                                                                        382<sup>3</sup>2<sup>E5</sup>0<sup>3</sup> 382<sup>3</sup>2<sup>E5</sup>0<sup>3</sup>
                                                                     AR13C5103 BRR13C5103
                             3BR23C
          RESULT
                                                                                                                                                                  -2<sup>3</sup>-88<sup>2</sup> 35<sup>3</sup>
```

195 PEL 195

35,235

2228273

1887, 186.

13BR)