☐ Write a Python program to store first year percentage of students in array. Write function for sorting array of floating point numbers in ascending order using quick sort and display top five scores. def quick\_sort(arr): ..... Function to perform Quick Sort on the array. def partition(low, high): pivot = arr[high] i = low - 1for j in range(low, high): if arr[j] <= pivot: i += 1arr[i], arr[j] = arr[j], arr[i]arr[i + 1], arr[high] = arr[high], arr[i + 1]return i + 1 def quick\_sort\_recursive(low, high): if low < high: pi = partition(low, high) quick\_sort\_recursive(low, pi - 1) quick\_sort\_recursive(pi + 1, high) quick\_sort\_recursive(0, len(arr) - 1) def display\_top\_five(arr): 111111 Function to sort the array and print the top five scores. 111111 # Sort the array quick\_sort(arr)

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# Display the top five scores
  top_five = arr[-5:] #if len(arr) >= 5 else arr
  print("Top Five Scores:")
  for score in top_five:
     print(f"{score:.2f}")
def main():
  # Example array of first-year percentages
  percentages = [
     85.5, 92.3, 78.6, 89.4, 90.1,
     94.7, 81.2, 79.9, 77.3, 95.5
  ]
  print("Original Percentages:")
  for p in percentages:
     print(f"{p:.2f}")
  display_top_five(percentages)
// Output
```

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Original Percentages:
85.50
92.30
78.60
89.40
90.10
94.70
81.20
79.90
77.30
95.50
Top Five Scores:
89.40
90.10
92.30
94.70
95.50
=== Code Execution Successful ===
```