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9

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1 Introduction

1.1 what is Latex?

LaTeX which is pronounced Lah-tech or Lay-tech is a document preparation system for high-quality typesetting

1.2 table

cell1	cell2	cell3
cell4	cell5	cell6
cell7	cell8	cell9

2 Formulas

the euler formula is : $L^{ix} = cosx + isinx$ in this formula L = base of logarithm i = imaginary unit x = angle in radian

3 Codes

```
########## Heap sort function
def heap_sort(arr,n):
heapify(arr, n) for y in range(n,0,-1):
t=arr[y]
arr[y]=arr[0]
arr[0]=t
adjust(arr,0,y-1)
```