

1 SDF: Bash Assignment

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This document contains submitted Bash scripts Implementations

1 Question (1) :

Implementations :

1. line2 reads data (i.e., numbers from "numbers.txt")
2. line5 starts a while loop where variable "line" stores numbers from line2 file
3. line7 adds the number to sum and repeats till EOF
4. line8 stores sum at every iteration in file "cumulative.txt"

2 Question (2) :

Implementations : this solution contain 2 files :

1. script2.sh : this calls second file named "sum.f"
2. sum.f

(a) script2.sh :

1. line2 uses sed to delete lines starting with # and saves output into file "tempo.txt"
2. line3 calls awk to sum the individual column values
3. line4 deletes the file "tempo.txt" after its use

Change with |papernote

(b) sum.f :

1. line3 starts for loop and stores sum into array at every iteration till NF
2. line9 starts another for loop and stores the sum (which is stored at every iteration in array) to file "cumulative multicol.txt"

3 Question (3) :

Implementations :

1. line5 starts a while loop and reads the lines in file "students.txt" till EOF
2. line7 : if line number in file is odd then it prints Name
3. else if line number in file is even then it prints Rollnumber in the same line of Name
4. line15 converts Caps rollnumber to small and concatenates "@iith.ac.in" to string
5. output of the code are stored into file "formatted students.txt"