Name: TRIDIB SARKAR | Section: I

1: #!/bin/bash

arr = (123 456 789)

sum = 0

for num in "\${arr[@]}"; do

while [\$num - gt 0]; do

digit = \$((num 1. 10))

sum = \$((sum + digit))

num = \$((num / 10))

done

done

echo "The sum of the digits is: \$sum"

- 2. #!/bin/bash Wc -w rotes.txt
- 3. #!/ bin/bash
 WC -L records.txt
- sed -i 's/error/issue/d' log. txt

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5. #!/bin/bash We -w names.txt

done

echo "The sum of the first 10 Fibonacci numbers is: \$ sum"

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done

- 10. #!/bin/bash tail -5 data.txt
- #!/bin/bash

 prep -0 "INFO" output.txt | we -1

rep & granger | Value

- 12: #1/bin/bash tae Log.txt
- 13: # 1/bin/bash
 grep "priority" words. Ext
- 14. #!/bin/bash

 read -p "Enter the value of N: "N

 product=1

 number=1

 for ((i=1; i<=N; i++)); do

 product = 9((product * number))

 number = 9((number * 10 + 1))

 done

 echo "The product is: \$ product "

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#!/bin/bash

read -p "Enter the value of N: "N

product = 1

number = 10

for ((i=1; i2=N; i++)); do

product = $ ((product * number))

number = $ ((number * 10))

done

echo "The product is: $product"

16: #!! bin/bash
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#11 bin/bash

arr = (3572891)

max = \${arr[0]};

for num in "\${arr[@]"; do

if [\$ - It \$ max]; then

max = \$num

fi

done

echo "The Largest element is: \$max"

#!/bin/bash

arr=(12345)

sum=0

for num in "f{arr[@]}"; do

sum=f((sum + num * num))

done

echo "The sum of squares is: fsum"

18. #!/bin/bash drep -q "completed" task. txt Is echo "The word exists." Il echo "The word does not exist."

Cortification of bear

19. #1/bin/bash Add alette and for While IFS = ' read -r first middle last; do echo "\$last, smiddle, sfirst" done knames. Ext

and the middle and any experience to give all

- 20: #1/bin/bash **BOOM** read -p "Enter the world to search; " word orep -0 "fword" notes. txt | wc-1
- #!/bin/bash sed -1 1/15/d' lag-Ext

- · poly : part lab 些 #!/bin/bash read -p "Enter filenames: "files for file in &files; do sort " ffile" done Jaka Jamus Lington Charles Times
- #1/bin/bosh stat - c%s data txt

24. #!/bin/bash

arr = (5 12 18 7-25)

sum = 0

for num in "\${arr[@]}"; do

if [4num -gt 10]; then

sum = \$((sum + num))

fi

done echo "The sum of numbers greater than 10 is; \$sum"

25. #1/bin/bash

read -P "Enter your full name: "fullname

first = \$ (echo \$fullname | awk '{print \$1}')

Last = \$ (echo \$fullname | awk '{print \$NF}')

echo "First Name: \$first"

echo "Last Name: \$Last"

26: #1/bin/bash

read -p "Enter the word to replace: " old read -p "Enter the new word: " new sed - i "s/\$old/\$new/j" document. txt

27: #1/bin/bash
date >> Loglile, txt

28. #!/bin/bash

orr=(10 20 30 40 50)

sum = 0

for num in "\$ sarr[@]}"; do

sum=\$((sum + num))

done

avg=\$((sum/\$ {#arr[@]}))

echo "The average is:\$avg"

#! /bin/bash

files = \$(ls - l | grep 1 - | we - l)

dirs = \$(ls - l | grep 1 | we - l)

eeho "Number of files: \$files"

echo "Number of directories: \$dirs"

30. #1/bin/bash sort -r data.txt