ASSIGNMENT 5

Assignment 5: Find the Sum of the Array

Description: This script finds the sum of the numbers in an array of numbers provided by the user.

Script:

```sh
#!/bin/sh
# Find the sum of the array
echo "Enter the numbers separated by spaces:"
read input
# Convert the input string to an array
arr=$(echo $input)
sum=0
# Loop through the array to calculate the sum
for num in $arr; do
    sum=$((sum + num))
done
echo "The sum of the array is $sum"
```

Sample Output:

Enter the numbers separated by spaces:

3 5 2 8 1 9

The sum of the array is 28

rps@rps-virtual-machine: ~/programs

```
GNU nano 6.2                              find_sum.sh
#!/bin/sh

# Find the sum of the array

echo "Enter the numbers separated by spaces:"
read input

# Convert the input string to an array
arr=$(echo $input)

sum=0

# Loop through the array to calculate the sum
for num in $arr; do
    sum=$((sum + num))
done

echo "The sum of the array is $sum"
```

[Wrote 18 lines]

```
^G Help      ^O Write Out   ^W Where Is   ^K Cut      ^T Execute   ^C Location   M-U Undo   M-A Set Mark   M-] To Bracket
^X Exit      ^R Read File   ^\ Replace    ^U Paste    ^J Justify   ^/ Go To Line M-E Redo   M-6 Copy      ^Q Where Was
```

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rps@rps-virtual-machine: ~/programs

```
rps@rps-virtual-machine:~$ cd programs
rps@rps-virtual-machine:~/programs$ nano find_sum.sh
rps@rps-virtual-machine:~/programs$ chmod 777 ./find_sum.sh
rps@rps-virtual-machine:~/programs$ ./find_sum.sh
Enter the numbers separated by spaces:
34 67 2 98
The sum of the array is 201
rps@rps-virtual-machine:~/programs$
```