



Quiz 2

Question 1:

- Write a shell script that is named with (**MathState**). This script has to solve a simple mathematical statement such as : addition, subtraction, multiplication and division.
- The script has to display a message that asks the user to enter the mathematical statement that he/she wants to calculate.
- The user enters the statement in this syntax:

Number1 MathOperation Number2

- Since that the required mathematical operations are : **+** , **-** , ***** and **/**
- If the user didn't provide the script with a complete statement, then a message that alerts the user has to be displayed.
- Display the result of the mathematical statement.

Note: write your name, ID and section as a comment at the beginning of your script.



Solution :

```
Vi MathState
```

```
If [ $# -ne 3 ]
```

```
then
```

```
echo " please enter a full mathematical statement "
```

```
exit 1
```

```
fi
```

```
If [ $2 = "+" ]
```

```
then
```

```
echo " the sum of $1 + $3 is `expr $1 + $3`"
```

```
exit
```

```
fi
```

```
If [ $2 = "-" ]
```

```
then
```

```
echo " the subtraction of $1 - $3 is `expr $1 - $3`"
```

```
exit
```

```
fi
```

```
If [ $2 = "*" ]
```

```
echo " the multiplication of $1 * $3 is `expr $1 \* $3`"
```

```
exit
```

```
fi
```

```
If [ $2 = "/" ]
```

```
then
```

```
echo " the division of $1 / $3 is `expr $1 / $3`"
```

```
exit
```

```
fi
```



another solution :

```
Vi MathState
```

```
If [ $# -ne 3 ]
```

```
then
```

```
echo " please enter a full mathematical statement "
```

```
exit 1
```

```
fi
```

```
If [ $2 = "+" ]
```

```
then
```

```
echo " the sum of $1 + $3 is `expr $1 + $3`"
```

```
elif [ $2 = "-" ]
```

```
then
```

```
echo " the subtraction of $1 - $3 is `expr $1 - $3`"
```

```
elif [ $2 = "*" ]
```

```
then
```

```
echo " the multiplication of $1 * $3 is `expr $1 \* $3`"
```

```
elif [ $2 = "/" ]
```

```
then
```

```
echo " the division of $1 / $3 is `expr $1 / $3`"
```

```
fi
```