

Spoken Tutorials - Bash Assignment
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Case statement

- 1) Write a menu driven program for mathematical calculation
 - a. It should take user inputs a and b
 - b. It should ask for mathematical operator (+, -, / and *).
 - c. Do the calculation
 - d. Print the output

ANS:

```
GNU nano 6.2                                     case.sh
#!/usr/bin/env bash

read -p "Enter first number:" a
read -p "Enter second number:" b
echo "Enter for 'add' for addition"
echo "Enter for 'sub' for subtraction"
echo "Enter for 'mul' for multiplication"
echo "Enter for 'div' for division"
read op
case "$op" in
"") echo "No option specified";;

add) echo "$(($a+$b))";;

sub) echo "$(($a-$b))";;

mul) echo "$(($a*$b))";;

div) echo "$(($a/$b))";;

*) echo "Wrong option";;
esac
```

```
harsh@harsh:~$ nano case.sh
harsh@harsh:~$ ./case.sh
Enter first number:5
Enter second number:6
Enter for 'add' for addition
Enter for 'sub' for subtraction
Enter for 'mul' for multiplication
Enter for 'div' for division
add
11
harsh@harsh:~$ ./case.sh
Enter first number:6
Enter second number:3
Enter for 'add' for addition
Enter for 'sub' for subtraction
Enter for 'mul' for multiplication
Enter for 'div' for division
sub
3
harsh@harsh:~$ ./case.sh
Enter first number:
Enter second number:
Enter for 'add' for addition
Enter for 'sub' for subtraction
Enter for 'mul' for multiplication
Enter for 'div' for division
No option specified
```

```
harsh@harsh:~$ ./case.sh
Enter first number:5
Enter second number:6
Enter for 'add' for addition
Enter for 'sub' for subtraction
Enter for 'mul' for multiplication
Enter for 'div' for division
fedhfe
Wrong option
harsh@harsh:~$
```