

Main Script

```
#!/bin/bash

. $HOME/final-exam/AaronCarlson-myFunctions

bcalc(){

    echo "Welcome to my calculator script script"

    echo "Please enter your first number: "

    read num1
    echo "Please enter your second number: "
    read num2
    check_args num1 num2
}
```

myFunctions

```
#!/bin/bash
```

```
num1=$1
```

```
num2=$2
```

```
check_args(){  
    if [ num2 -eq "0" ]; then  
        echo "Potential divide by zero error"  
        exit;  
    else  
        calc_menu  
    fi  
}
```

```
calc_menu(){
```

```
cat << END
```

```
    MENU
```

```
-----
```

1. Add
2. Subtract
3. Multiply
4. Divide
5. Quit menu

```
-----
```

```
END
```

```
read_input
```

```
}
```

```
add_func(){
```

```
    result=`expr num1 + num2`
```

```
        echo Answer: $result
    fi
}
```

```
subtract_func(){
    result=`expr num1 - num2`
    echo Answer: $result
    fi
}
```

```
multiply_func(){
    result=`expr num1 * num2`
    echo Answer: $result
    fi
}
```

```
divide_func(){
    result=$(expr "scale=2; num1/num2" | bc)
    echo Answer: $result
    fi
}
```

```
function read_input
{
while true
do
    echo -n "Please select a number to continue: "
    read choice
    case $choice in
        1|1. |add|Add)
            add_func
        ;;
    esac
done
}
```

```
2|2. |subtract|Subtract)
    subtract_func
    ;;
3|3. |multiply|Multiply)
    multiply_func
    ;;
4|4. |divide|Divide)
    divide_func
    ;;
5|5. |Quit|quit|'Quit menu')
    echo "Exiting program."
    exit 5
    ;;
*)
    echo "Sorry not a valid option."
    echo "Please try again."
    ;;
esac
done
}
```