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D1 - 19BCE245
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Practical 2

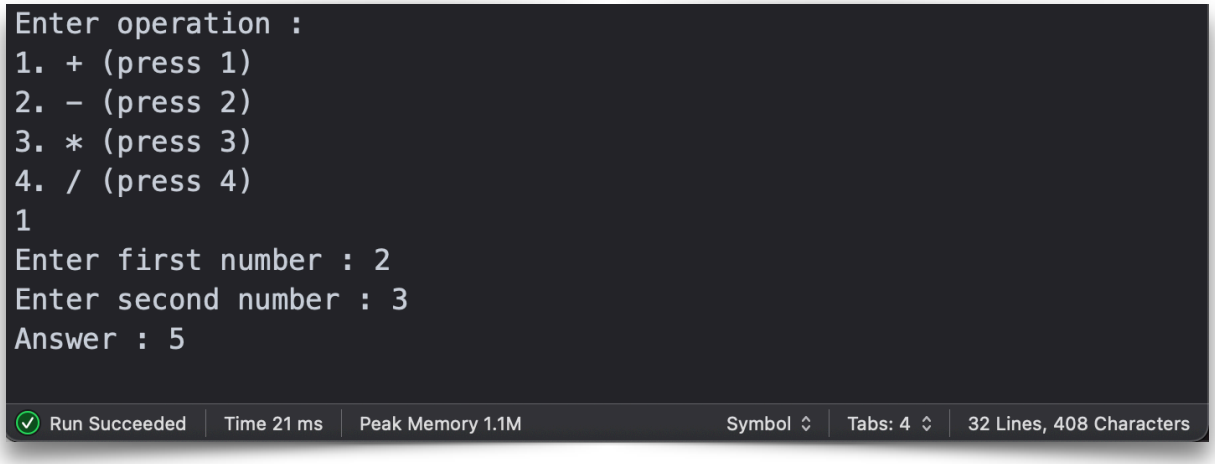
Write a shell script for performing the functions of a basic calculator. (Using decision making and case control structure).

•Using decision making [if-else] :

```
1. echo "Enter operation : "
2.
3. echo "1. + (press 1)
4. 2. - (press 2)
5. 3. * (press 3)
6. 4. / (press 4)"
7.
8. read operator
9.
10.echo -n "Enter first number : "
11.read n1
12.
13.echo -n "Enter second number : "
14.read n2
15.
16.echo -n "Answer : "
17.
18.if [ $operator = "1" ]
19.then
20.  echo "$n1 + $n2" | bc -l
21.elif [ $operator = "2" ]
22.then
23.  echo "$n1 - $n2 "| bc -l
24.elif [ $operator = "3" ]
25.then
26.  echo "$n1 * $n2 "| bc -l
27.elif [ $operator = "4" ]
```

```
28.then
29.  echo "$n1 / $n2 "| bc -l
30.
31.fi
```

OUTPUT :



•Using case control structure :

```
1. echo "Enter operation : "
2.
3. echo "1. + (press 1)
4. 2. - (press 2)
5. 3. * (press 3)
6. 4. / (press 4)"
7.
8. read operator
9.
10.echo -n "Enter first number : "
11.read n1
12.
13.echo -n "Enter second number : "
14.read n2
15.
16.echo -n "Answer : "
17.
18.case $operator in
19.
```

```
    1) echo "$n1 + $n2" | bc -l;;

    2) echo "$n1 - $n2 "| bc -l;;

    3) echo "$n1 * $n2 "| bc -l;;

    4) echo "$n1 / $n2 "| bc -l;;

  *) echo "Invalid operator";;

esac
```

OUTPUT :