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Batch: F1

**Subject:** Operating System (OS)

Subject Code: 2CS506

**Practical 2** 

## 1) Conditional Calculator

## Shell script:

```
echo "Enter your choice";
read choice;
echo "Enter first value";
read a;
echo "Enter second value";
read b;
if [ "$choice" = "+" ];
then
result=$(expr $a + $b)
elif [ "$choice" = "-" ];
then
result=$(expr $a - $b)
elif [ "$choice" = "*" ];
then
result=$(expr $a \* $b)
elif [ "$choice" = "/" ];
then
result=$(expr $a / $b)
elif [ "$choice" = "%" ];
then
result=$(expr $a % $b)
else
echo "Wrong choice"
exit 1
fi
echo "Result: $result";
```

```
swekit@swekit:~$ sh calc
Enter your choice
Enter first value
Enter second value
Result: 12
swekit@swekit:~$ sh calc
Enter your choice
Enter first value
Enter second value
4
Result: 8
swekit@swekit:~$ sh calc
Enter your choice
Enter first value
Enter second value
4
Result: 0
swekit@swekit:~$ sh calc
Enter your choice
Enter first value
Enter second value
Result: 1
```

## 2) Case Calculator

## **Shell Script:**

```
echo "Enter your choice:";
read choice;
echo "Enter first value:";
read a;
echo "Enter second value:";
read b;
case $choice in
+) result=$(expr $a + $b);;
-) result=$(expr $a - $b);;
x) result=$(expr $a \* $b);;
/) result=$(expr $a / $b);;
%) result=$(expr $a % $b);;
*) echo "Wrong choice"; exit 1;;
esac
echo "Result: $result";
```

```
swekit@swekit:~$ sh switch
Enter your choice:
x
Enter first value:
3
Enter second value:
3
Result: 9
swekit@swekit:~$ sh switch
Enter your choice:
%
Enter first value:
45
Enter second value:
5
Result: 0
swekit@swekit:~$
```