

به نام خدا



درس آزمایشگاه سیستم عامل

تمرین هفتم

مدرس درس:
سرکار خانم دکتر شیخی

تهیه کننده:
الناز رضایی

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پاسخ بخش اول:

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

```
#1-A)
```

```
read -p 'a: ' a
```

```
read -p 'b: ' b
```

```
let s=a+b
```

```
echo "Sum is: $s"
```

```
#1-B)
```

```
if [ $a -gt $b ]
```

```
then
```

```
    echo "The grater number is: $a"
```

```
else
```

```
    echo "The grater number is: $b"
```

```
fi
```

```
#1-C)
```

```
let avg=s/2
```

```
echo "Average is: $avg"
```

```
rezaee_98411387@98411387:~$ sudo bash hw7.sh
```

```
[sudo] password for rezaee_98411387:
```

```
a: 5
```

```
b: 3
```

```
Sum is: 8
```

```
The grater number is: 5
```

```
Average is: 4
```

پاسخ بخش دوم:

```
#2)
read -p 'a: '
read -p 'b: ' b
read -p 'operation: ' op
case $op in
    "sum")res=`echo $a + $b |bc`;;
    "sub")res=`echo $a - $b |bc`;;
    "mul")res=`echo $a \* $b |bc`;;
    "div")res=`echo "scale=2; $a / $b" |bc`;;
esac
echo "Result : $res"
```

```
rezaee_98411387@98411387:~$ sudo bash hw7.sh
[sudo] password for rezaee_98411387:
a: 3
b: 4
operation: sum
Result : 7
rezaee_98411387@98411387:~$ bash hw7.sh
a: 5
b: 3
operation: sub
Result : 2
rezaee_98411387@98411387:~$ bash hw7.sh
a: 2
b: 2
operation: mul
Result : 4
rezaee_98411387@98411387:~$ bash hw7.sh
a: 6
b: 3
operation: div
Result : 2.00
```

پاسخ بخش سوم:

```
#3)
read -sp 'password: ' pass
if [ $pass -eq "123456" ]
then
    echo "Welcome"
else
    echo "Wrong Password"
fi
```

```
rezaee_98411387@98411387:~$ sudo bash hw7.sh
[sudo] password for rezaee_98411387:
password: Wrong Password
rezaee_98411387@98411387:~$ bash hw7.sh
password: Welcome
```