**OS experiment no. 06**

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**Batch :** B1

**Exp No:** 06

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**Q1.** Write shell can perform a variety of common (like +,-,\*, /,% etc) arithmetic

operations.

**CODE:**

twilight@Devanshs-Ubuntu\_db Desktop % cat>devansh\_os\_exp6.bash

echo "Enter the First Number:"

read a

echo "Enter the Second Number:"

read b

add=$(($a+$b))

subtract=$(($a-$b))

mult=$(($a\*$b))

div=$(($a/$b))

mod=$(($a%$b))

echo "The Addition of $a and $b is $add"

echo "The Subtraction of $a and $b is $subtract"

echo "The Multiplication of $a and $b is $mult"

echo “The Division of $a and $b is $div"

echo "The Modulo of $a and $b is $mod"

^C

**OUTPUT:**

twilight@Devanshs-Ubuntu\_db Desktop % bash devansh\_os\_exp6.bash

Enter the First Number:

15

Enter the Second Number:

12

**The Addition of 15 and 12 is 27**

**The Subtraction of 15 and 12 is 3**

**The Multiplication of 15 and 12 is 180**

**The Division of 15 and 12 is 1**

**The Modulo of 15 and 12 is 3**

twilight@Devanshs-Ubuntu\_db Desktop % bash devansh\_os\_exp6.bash

Enter the First Number:

9

Enter the Second Number:

10

**The Addition of 9 and 10 is 19**

**The Subtraction of 9 and 10 is -1**

**The Multiplication of 9 and 10 is 90**

**The Division of 9 and 10 is 0**

**The Modulo of 9 and 10 is 9**

**Q2**. Write shell program that formats an arbitrary number of seconds into hours and

Minutes.

**CODE:**

twilight@Devanshs-Ubuntu\_db Desktop % cat>devansh\_os\_exp6\_2.bash

echo "Enter Time in Seconds:"

read seconds

hours=$(($seconds/3600))

minutes=$((($seconds/60)%60))

seconds=$(($seconds%60))

echo "Hours:Minutes:Seconds"

echo " $hours : $minutes : $seconds"

^C

**OUTPUT:**

twilight@Devanshs-Ubuntu\_db Desktop % bash devansh\_os\_exp6\_2.bash

Enter Time in Seconds:

35000

**Hours:Minutes:Seconds**

**9 : 43 : 20**

twilight@Devanshs-Ubuntu\_db Desktop % bash devansh\_os\_exp6\_2.bash

Enter Time in Seconds:

2346

**Hours:Minutes:Seconds**

**0 : 39 : 6**

**Outcome:** CO4: Demonstrate open source standards usage.

**Conclusion:** We learnt and implemented how to perform basic artihmetic operations such as addition, subtraction, Multiplication, Division, Modulo etc. in linux.