```
enter the values A and B :23
56
a=23 b=56
after interchanging :
a=56 b=23
```

```
Enter the number whose factorial is to be found:6
The factorial of 6 is : 720
```

```
employee details
the name is vinod
the idno is 26998
the salary is 737849267877846410000000000000.00
employee details
the name is
the idno is 10
the salary is 736574795611449550000000000000.00
employee details
the name is
the idno is 8192
the salary is 6500.00
```

WhatsApp | shell 27 - GDB online Debugger

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shell 27

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main.bash

```
1 #!/bin/sh
2 echo "enter a number"
3 read a
4 cube=$((a*a*a))
5 echo "cube of "$a"="$cube
6
```

input

```
enter a number
3
cube of 3=27


...Program finished with exit code 0
Press ENTER to exit console.
```

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ENG IN

09:41 13-02-2023

```
enter the number :125
125 is not an armstrong number.
```

```
enter the last term of the array :6
45
79
-9
23
-97
65
the elements in ascending order
-97.00 -9.00 23.00 45.00 65.00 79.00 _
```

```
enter the string to check palindrome or not.
enter a string :madam
the given string madam is a palindrome.
```

```
enter the nth term of array :4
12
79
50
-21
largest element in array is 79.000000
smallest element in array is -21.000000
```

```
enter the number :153
153 is an armstrong number.
```

```
enter the number :153
153 is an armstrong number.
```

```
enter the nth element :9
1 4 9 16 25 36 49 64 81
```

```
enter three integers :23
65
12
maximum is: 65
```

```
enter the decimal number:14
the binary number is : 1110
_
```

```
C:\TURBOC3\BIN>TC
enter the value n :4
sum of the series S=20.
```

```
enter three sides :5
6
7
area of triangle = 14.696939 sq units
```

```
enter the value of x :81
square root of  81.00 is   9.00_
```

```
enter temperature in centigrade :20
fahrenheit equivalent is :68.0
enter temprature in farenheit : 68
centigrade equivalent is: 20.0
```

```
enter the binary number:1111
the binary equivalent of 1111 in dicimal =15
```

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shell36

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main.bash

```
#!/bin/bash
echo "enter a number"
read n
sum=0
temp=$n
while [ $n -gt 0 ]
do
r=$((n%10))
sum=$((r+sum*10))
n=$((n/10))
done
if [ $temp -eq $sum ]
then
echo "palindrome"
else
echo "not a palindrome"
fi
```

input

```
enter a number
121
palindrome


...Program finished with exit code 0
Press ENTER to exit console.
```

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shell35

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main.bash

```
#!/bin/bash
echo "enter a integer"
read m
a=1
echo "n natural numbers: "
for ((a=1;a<m;a++))
do
        echo $a
done
```

input

```
enter a integer
5
n natural numbers:
1
2
3
4


...Program finished with exit code 0
Press ENTER to exit console.
```

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main.bash

```
#!/bin/bash
echo "enter a number: "
read a
echo "enter a number: "
read b
sum=$((a+b))
echo "sum = "$sum
substraction=$((a-b))
echo "substraction ="$substraction
mult=$((a*b))
echo "product="$mult
div=$((a/b))
echo "division="$div
```

input

```
enter a number:
45
enter a number:
34
sum = 79
substraction =11
product=1530
division=1


...Program finished with exit code 0
Press ENTER to exit console.
```

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main.bash

```
#!/bin/bash
echo "enter number of students:"
read n
a=1
for((a=1;a<n;a++))
do
        echo "enter student name:"
        read student
        echo "english marks"
        read english
        echo " maths marks"
        read maths
        echo "science marks"
        read science
        sum=$(($english+$maths+$science))
        per=$((100*$sum/300))
        echo "total =" $sum
        echo "percentage=" $per
done
```

input

```
enter number of students:
86
enter student name:
jaffer
english marks
92
 maths marks
99
science marks
97
total = 288
percentage= 96
enter student name:
```

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main.bash

```
1 #!/bin/sh
2 echo "enter a number"
3 read a
4 square=$((a*a))
5 echo "square of "$a"="$square
```

input

```
enter a number
3
square of 3=9


...Program finished with exit code 0
Press ENTER to exit console.
```

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19

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main.bash

```
#!/bin/bash
echo "enter year:"
read y
year=$y
y=$(( $y % 4))
if [ $y -eq 0 ]
then
        echo "$year is leap year"
else
        echo "$year is not a leap year"
fi
```

input

```
enter year:
2004
2004 is leap year


...Program finished with exit code 0
Press ENTER to exit console.
```

EXP31.jfif

Show all

79°F
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IN

10:15
13-02-2023

```
C:\TURBOC3\BIN>TC
entere the string:
mahammad
length of str is 8
```

```
C:\TURBOC3\BIN>TC
enter a number.3457
sum is=19enter a number.
```

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shell31

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main.bash

```
1  #! /bin/bash
2  echo "enter first number: "
3  read first
4  echo "enter second number: "
5  read second
6  temp=$first
7  first=$second
8  second=$temp
9  echo "after swapping: "
10 echo "first number=#first, second
11 number=$second"
12
```

input

```
enter first number:
12
enter second number:
31
after swapping:
first number=#first, second
number=12


...Program finished with exit code 0
Press ENTER to exit console.
```


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```
enter the element of A matrices :
1
2
3
4
5
6
7
8
9
enter the element of B matrices :
1
2
3
4
5
6
7
8
9
sum of A and B matrix :
     2     4     6
     8    10    12
    14    16    18
```

```
enter the number whose factorial is to be found:6
the factorial of 6 is : 30
```

```
input row & column of matric :3
3
enter the elements of matrix.
1
2
3
4
5
6
7
8
9
transpose of the matrix is :
   1   4   7
   2   5   8
   3   6   9
```