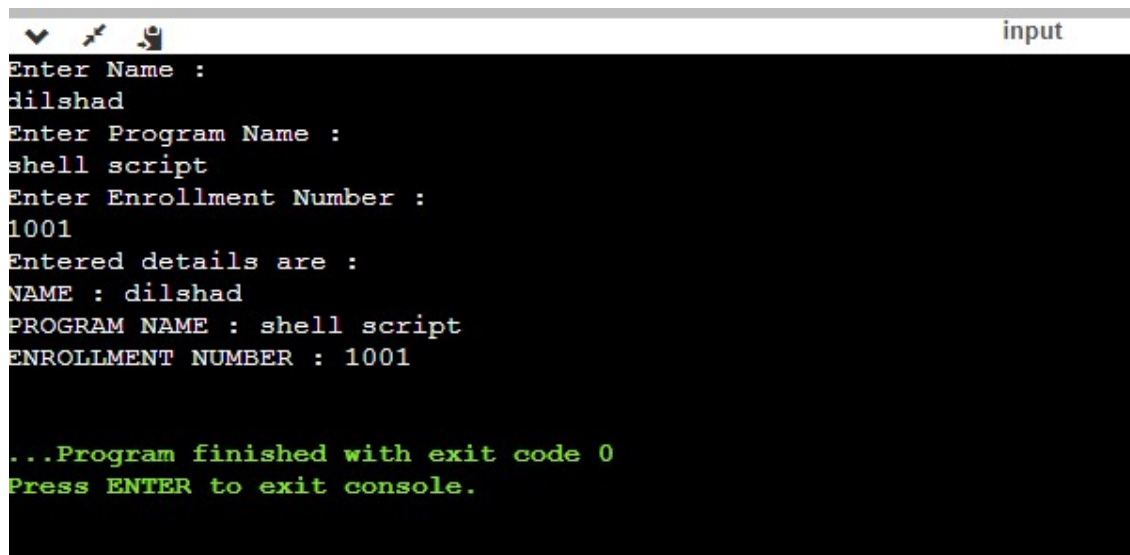


1. Write a shell script to ask your name, program name and enrollment number and print it on the screen.

Source code

```
echo "Enter Name :"  
  
read name  
  
echo "Enter Program Name :"  
  
read pname  
  
echo "Enter Enrollment Number :"  
  
read eno  
  
echo "Entered details are :"  
  
echo "NAME : $name"  
  
echo "PROGRAM NAME : $pname"  
  
echo "ENROLLMENT NUMBER : $eno"
```

output



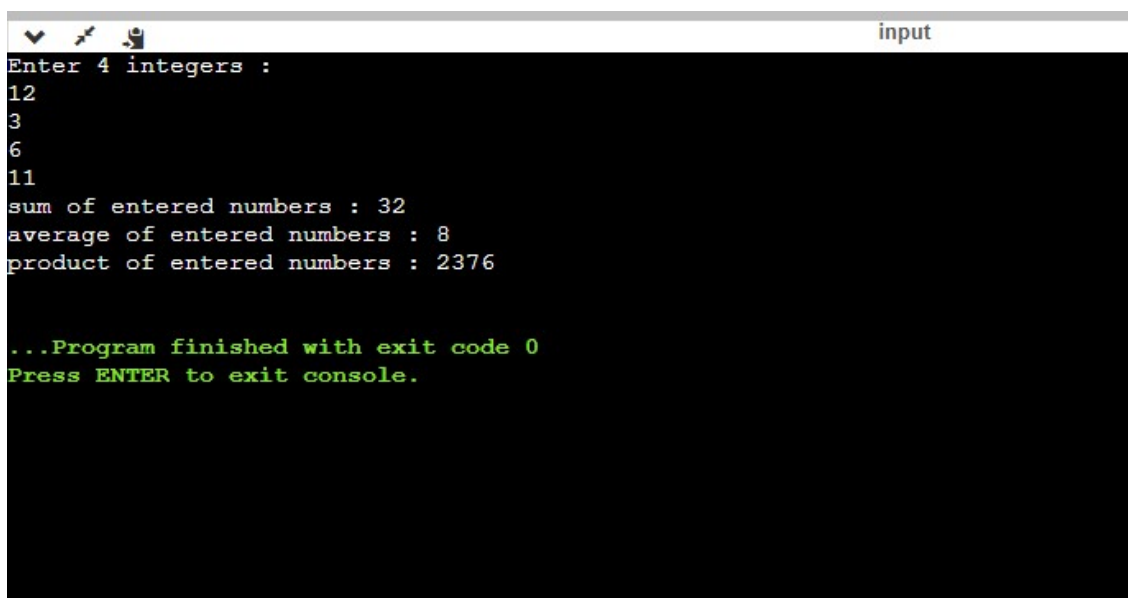
```
input  
Enter Name :  
dilshad  
Enter Program Name :  
shell script  
Enter Enrollment Number :  
1001  
Entered details are :  
NAME : dilshad  
PROGRAM NAME : shell script  
ENROLLMENT NUMBER : 1001  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

2) Write a shell script to find the sum, the average and the product of the four integers entered.

Source code

```
echo "Enter 4 integers :"  
  
read n1  
  
read n2  
  
read n3  
  
read n4  
  
sum=$((n1+n2+n3+n4))  
  
avg=$((($sum/4))  
  
product=$((n1*n2*n3*n4))  
  
echo "sum of entered numbers : $sum"  
  
echo "average of entered numbers : $avg"  
  
echo "product of entered numbers : $product"
```

output



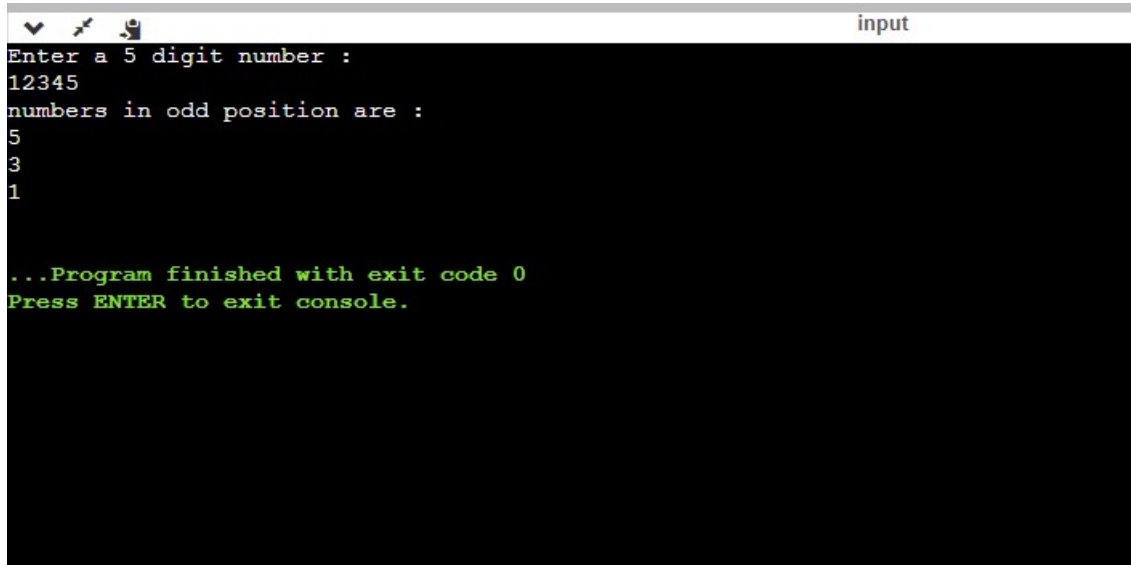
```
input  
Enter 4 integers :  
12  
3  
6  
11  
sum of entered numbers : 32  
average of entered numbers : 8  
product of entered numbers : 2376  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```

4) Write a shell script to display the digits which are in odd position in a given 5 digit number.

Source code

```
echo "Enter a 5 digit number :"  
  
read num  
  
c=0  
  
rem=0  
  
echo "numbers in odd position are :"  
  
while [ $num -gt 0 ]  
  
do  
  
d=$(( $num%10 ))  
  
num=$(( $num/10 ))  
  
c=$(( $c+1 ))  
  
rem=$(( $c%2 ))  
  
if [ $rem != 0 ]  
  
then  
  
echo "$d"  
  
fi  
  
done
```

output



```
input
Enter a 5 digit number :
12345
numbers in odd position are :
5
3
1

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

5) Write a shell script to find the largest among the 3 given numbers.

Source code

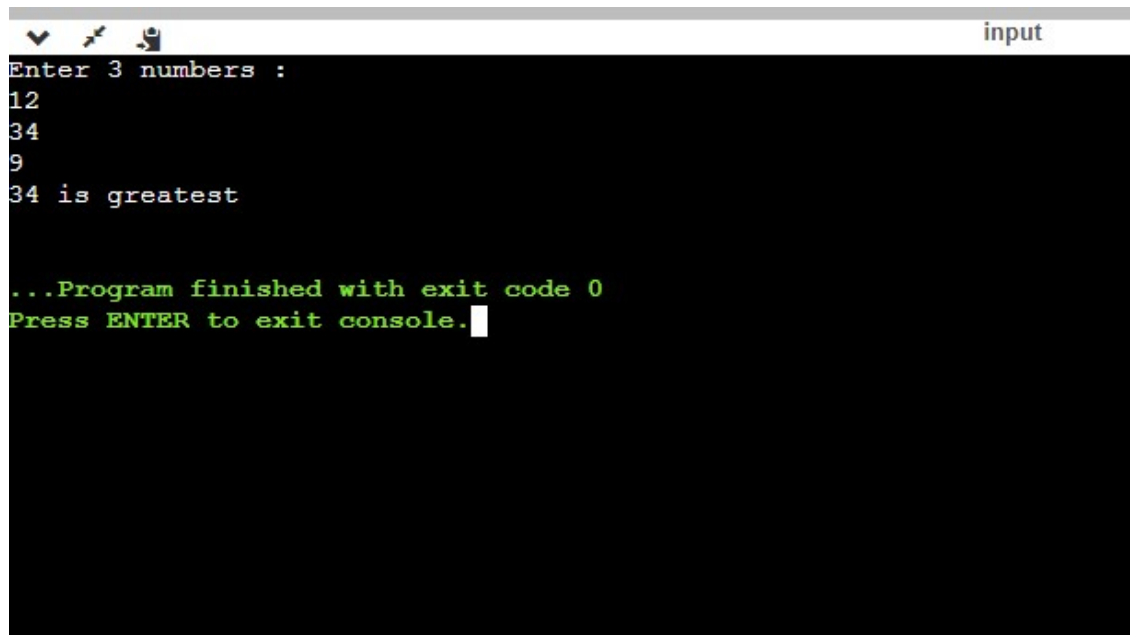
```
echo "Enter 3 numbers :"  
  
read n1  
  
read n2  
  
read n3  
  
if [ $n1 -gt $n2 ] && [ $n1 -gt $n3 ]  
  
then  
  
echo "$n1 is greatest"  
  
elif [ $n2 -gt $n1 ] && [ $n2 -gt $n3 ]  
  
then  
  
echo "$n2 is greatest"
```

else

echo "\$n3 is greatest"

fi

output



```
input
Enter 3 numbers :
12
34
9
34 is greatest

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

6) Write a shell program to concatenate two strings and find the length of the resultant string.

Source code

echo "Enter 2 strings :"

read s1

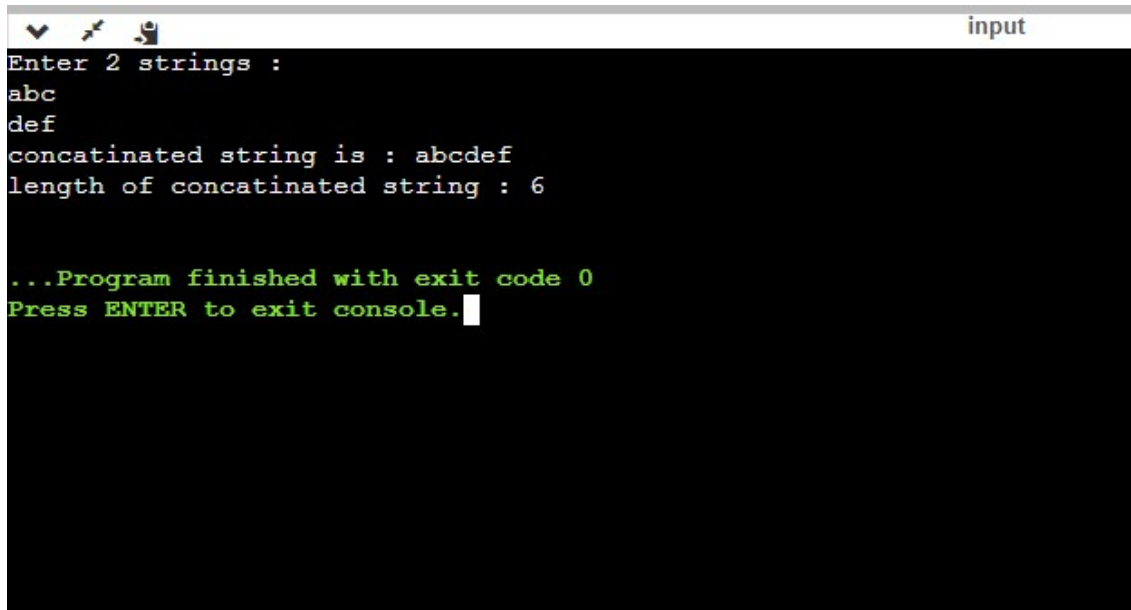
read s2

s1+=s2

echo "concatinated string is : \$s1"

```
echo "length of concatenated string : ${#s1}"
```

output



```
input
Enter 2 strings :
abc
def
concatinated string is : abcdef
length of concatenated string : 6

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

8) Write a shell script to find the smallest of three numbers.

Source code

```
echo "Enter 3 numbers : "

read n1

read n2

read n3

if [ $n1 -lt $n2 ] && [ $n1 -lt $n3 ]

then

echo "$n1 is smallest"

elif [ $n2 -lt $n1 ] && [ $n2 -lt $n3 ]
```

then

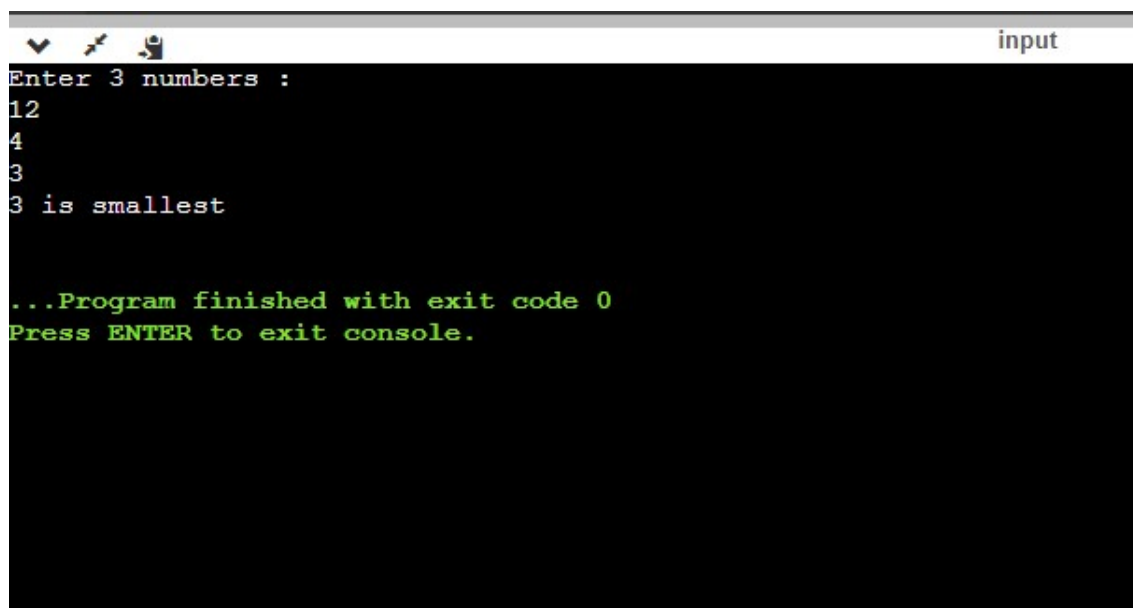
echo "\$n2 is smallest"

else

echo "\$n3 is smallest"

fi

output

A screenshot of a terminal window with a dark background. The title bar at the top is light gray and contains three icons on the left (a checkmark, a pencil, and a floppy disk) and the word "input" on the right. The terminal text is as follows:

```
Enter 3 numbers :  
12  
4  
3  
3 is smallest  
  
...Program finished with exit code 0  
Press ENTER to exit console.
```