```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 "palindrome"
fi
```

121
main.bash: line 6: [121: command not found
main.bash: line 12: [121: command not found
palindrome

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

```bash
2   echo "enter a number"
3   read num
4   fact=1
5   while [ $num -gt 1]
6   do
7   fact=$((fact * num))
8   num=$((num - 1 ))
9   done
10  echo "factorial is ="$fact
11
```

```
enter a number
6
main.bash: line 5: [: missing ']'
factorial is =1

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

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main.bash

```bash
1  #!bin/bash
2  echo "enter binary number"
3  read n
4  function binarycon(){
5      local i=0
6      local num=0
7      while [$n != 0]
8      do
9      digit=$(( $n % 10))
10     num=$(( num + digit * 2**i))
11     n=$(($n / 10))
12     ((++i))
13     done
14     echo "resultant decimal number"
15     echo "$num"
16  }
17  #function call
18  binarycon
19
20
```

input

```
10
main.bash: line 7: [10: command not found
resultant decimal number
0

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

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main.bash

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13     done
14     echo "resultant decimal number"
15     echo "$num"
16  }
17  #function call
18  binarycon
19
20
```

input

```
10
main.bash: line 7: [10: command not found
resultant decimal number
0

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Press ENTER to exit console.
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▶Run ⊙Debug ■Stop ⟳Share Save {} Beautify ±

main.bash

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15     echo "$num"
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18  binarycon
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20
```

Input

```
10
main.bash: line 7: [10: command not found
resultant decimal number
0

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```

Language Bas

```bash
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read num
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while [ $num -gt 1]
do
fact=$((fact * num))
num=$((num - 1 ))
done
echo "factorial is ="$fact
```

```
enter a number
6
main.bash: line 5: [: missing `]'
factorial is =1


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

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10 n=$((n/10))
11 done
12 if [$temp -eq $sum]
13 then
14 echo "palindrome"
15 else
16 echo "palindrome"
17 fi
18
```

input

```
121
main.bash: line 6: [121: command not found
main.bash: line 12: [121: command not found
palindrome

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

```bash
1  #!bin/bash
2  echo "enter a integer"
3  read m
4  a=1
5  echo "natural numbers: "
6  for ((a=1;a<=m;a++))
7  do
8  echo $a
9  done
10
```

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

```
1  #!/bin/bash
2  echo "enter a integer"
3  read m
4  a=1
5  echo "natural numbers: "
```

ter a integer

tural numbers:

0
1
2

..Program finished with exit code 0
ress ENTER to exit console.

I

main.bash

```bash
1  #!bin/bash
2  echo "enter a integer"
3  read m
4  a=1
5  echo "natural numbers: "
```

input

enter a integer
12
natural numbers:
1
2
3
4
5
6
7
8
9
10
11
12

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

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