

```
#!/bin/bash
fact()
{
    n=$1
    fact=1
    while [ $n -gt 1 ]
    do
        ((fact=fact*n))
        ((n=n-1))
    done
    return $fact
}
echo "Enter the number:"
read no
fact $no
fact=$?
echo "Factorial of $no is $fact"
```

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```
[mca@localhost ~]$ vi factfun.sh
[mca@localhost ~]$ chmod +x factfun.sh
[mca@localhost ~]$ ./factfun.sh
[mca@localhost ~]$ vi factfun.sh
[mca@localhost ~]$ ./factfun.sh
120
[mca@localhost ~]$ vi factfun.sh
[mca@localhost ~]$ ./factfun.sh
Enter the number:
5
Factorial of 5 is 120
[mca@localhost ~]$ vi factfun.sh
[mca@localhost ~]$
```