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online compiler and debugger for c/c++

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main 95

```
1 program palindrome
2 integer N,r,rev,b
3 rev=0
4 print*, 'enter any number'
5 read*, n
6 b=n
7 do WHILE(n.ne.0)
8 r=mod(n,10)
9 rev=rev*10+r
10 n=n/10
11 ENDDO
12 print*, 'the revers no.is', rev
13 if (b.eq.rev) THEN
14 print*, 'palindrome'
15 else
16 print*, 'not palindrome'
17 ENDIF
18 end
19
20
```

input

enter any number
1001
the revers no.is 1001
palindrome
...Program finished with exit code 0
Press ENTER to exit console.

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main 95


```
1 PROGRAM FACTORIAL
2 INTEGER FACT,N,I
3 FACT=1
4 WRITE(*,*) 'eNTER THE NUMBER'
5 READ(*,*) N
6 DO I=1,N,1
7 FACT=FACT*I
8 ENDDO
9 WRITE(*,*) 'THE FACTORIAL IS' , FACT
10 END
```

input

eNTER THE NUMBER
5
THE FACTORIAL IS 120
...Program finished with exit code 0
Press ENTER to exit console.

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main 195

```
1 PROGRAM PRIME
2 INTEGER N,I,C
3 C=0
4 WRITE(*,*) 'ENTER THE NUMBER'
5 READ(*,*)N
6 DO I=1,N,1
7 IF (MOD(N,I).EQ.0) THEN
8 C=C+1
9 ENDIF
10 ENDDO
11 IF (C.EQ.2) THEN
12 WRITE(*,*) 'PRIME'
13 ELSE
14 WRITE(*,*) 'NOT PRIME'
15 ENDIF
16 END
```

input

ENTER THE NUMBER
7
PRIME

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

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main 195

```
1 PROGRAM AMSTRONG
2 INTEGER I,J,N,REM,RES,ORN
3 RES=0
4 WRITE(*,*) 'ENTER THE NUMBER'
5 READ(*,*)N
6 ORN=N
7 DO WHILE (ORN.NE.0)
8 REM=MOD(ORN,10)
9 RES=RES*REM*REM*REM
10 ORN=ORN/10
11 ENDDO
12 IF (RES.EQ.N) THEN
13 WRITE(*,*) 'AMSTRONG'
14 ELSE
15 WRITE(*,*) 'NOT AMSTRONG'
16 ENDIF
17 END
```

input

ENTER THE NUMBER
371
AMSTRONG

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

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main 195
1 PROGRAM AMSTRONG
2 INTEGER I,J,N,REM,RES,ORN
3 RES=0
4 WRITE(*,*) 'ENTER THE NUMBER'
5 READ(*,*)N
6 ORN=N
7 DO WHILE(ORN.NE.0)
8 REM=MOD(ORN,10)
9 RES=RES*10+REM
10 ORN=ORN/10
11 ENDDO
12 IF (RES.EQ.N) THEN
13 WRITE(*,*) 'AMSTRONG'
14 ELSE
15 WRITE(*,*) 'NOT AMSTRONG'
16 ENDIF
17 END

input
ENTER THE NUMBER
371
AMSTRONG
...Program finished with exit code 0
Press ENTER to exit console.

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