# INSTITUTE OF ENGINEERING

## ADVANCED COLLEGE OF ENGINEERING AND MANAGEMENT

*(AFFILIATED TO TRIBHUWAN UNIVERSITY)*

## KALANKI , KATHMANDU



# FORTAN ASSIGNMENT

## SUBJECT: C PROGRAMMING

**SUBMITTED BY:**                                              **SUBMITTED TO:**
                              **DEPARTMENT OF COMPUTER ENGINEERING**

SURYANSHU VERMA

OnlineGDB beta
online compiler and debugger for c/c++

code. compile. run. debug. share.

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Language  Fortran

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main.f95

```fortran
1  !
2  !
3  !                      Online Fortran Compiler.
4  !         Code, Compile, Run and Debug Fortran program online.
5  ! Write your code in this editor and press "Run" button to execute it.
6  !
7  !
8
9  !Suryanshu verma
10 PROGRAM GREATEST_AMONG_3_NUMBER
11 INTEGER a,b,c
12 write(*,*)'Enter a,b,c'
13 read(*,*)a,b,c
14 if((a.gt.b).and.(a.gt.c)) THEN
15 write(*,*)'a is greatest'
16 ELSEIF((b.gt.a).and.(b.gt.c)) THEN
17 write(*,*)'b is greatest'
18 ELSE
19 write(*,*)'c is greatest'
20 ENDIF
21 end
```

input

```
Enter a,b,c
5
8
44
 c is greatest

...Program finished with exit code 0
```

---

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6  !
7  !
8
9  !Suryanshu verma
10 PROGRAM EVEN_ODD
11 INTEGER a
12 write(*,*)'Enter the nuumber'
13 read(*,*)a
14 if(mod(a,2).eq..0) then
15 write(*,*)'even'
16 ELSE
17 write(*,*)'odd'
18 ENDIF
19 end
```

input

```
Enter the nuumber
66
 even

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

First program (main.f95):

```fortran
!
!
!                    Online Fortran Compiler.
!           Code, Compile, Run and Debug Fortran program online.
! Write your code in this editor and press "Run" button to execute it.
!
!

!Suryanshu Verma
PROGRAM FACTORIAL_FINDING
integer n,Fact,i
fact=1
write(*,*)'Enter the number n'
read(*,*)n
do i=1,n,1
fact=fact*i
end do
write(*,*)'The factorial is' , fact
end
```

input
```
 Enter the number n
5
 The factorial is          120

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



Second program (main.f95):

```fortran
!
!
!                    Online Fortran Compiler.
!           Code, Compile, Run and Debug Fortran program online.
! Write your code in this editor and press "Run" button to execute it.
!
!

!Suryanshu Verma
PROGRAM CHECK_PRIME
integer n,i
integer c
c=0
write(*,*)'Enter the number n'
read(*,*)n
do i=2,n,1
if(mod(n,i).eq.0) THEN
c=c+1
ENDIF
end do
if(c.eq.1) THEN
write(*,*)'prime'
ELSE
write(*,*)'not prime'
endif
end
```

input
```
 Enter the number n
7
 prime

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

Language Fortran

main.f95

```fortran
!
!
!                           Online Fortran Compiler.
!               Code, Compile, Run and Debug Fortran program online.
! Write your code in this editor and press "Run" button to execute it.
!
!


!Suryanshu verma
PROGRAM SIMPLE_INTREST
REAL p,t,r,si
write(*,*)'Enter the principal , rate and time'
read(*,*)p,t,r
si=(p*t*r)/100
write(*,*)si
END
```

input

```
50000
5
2
   5000.00000

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