**ITC Fall 2016, Assignment 3**

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**Ans 1.**

Variables base, hyp, perp, sqbase, sqhyp, sqperp

Input base, hyp, perp sqbase=base\*base sqhyp=hyp\*hyp sqperp=perp\*perp

If (sqhyp==sqbase+sqperp)

Print "Triangle is a right triangle."

Else

Print "Triangle is not a right triangle."

**Ans 2.**

Variables N, num, i

Input N i=1

If (N%2=0)

num=N­1

Else

num=N

While (i=<num)

{

sum=i+sum

i=i+2

}

Print sum

**Ans 3.**

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Number1 is:, 11

Number2 is:, 20

Number3 is:, 37

Sum is:, 68

**Ans 4.**

Variables i, num, largestnum

i=1

Input num largestnum=num

While (i<=20)

{

If (num>largestnum)

{

largestnum=num

}

i=i+1

If (i<=20)

{

Input num

}

}

Print largestnum