Capgemini Day-1\_Technical Training

1.)Begin

Prompt “Enter age:” and store in age

If(age>=18) then

Display “Eligible to vote”

Else

Display “Not Elegible to vote”

End

2.)BEGIN

DECLARE num as INTEGER

INITIALIZE num to 0

PROMPT “ Enter the number” AND STORE IN num

IF(num>0) THEN

DISPLAY “Positive Number”

ELSE

DISPLAY “Negative Number”

ENDIF

END

3.)BEGIN

DECLARE pr as INTEGER

DECLARE rate as INTEGER

DECLARE time as INTEGER

DECLARE si as FLOAT

INITIALIZE pr to 50000

INITIALIZE rate to 2

INITIALIZE pr to 10

Si=(pr\*time\*rate)/100

PRINT “Simple Interest is:” si

END

4.) BEGIN

PROMPT “Enter a number” and store in num

IF((num%2==0)&&(num%3==0)&&(num%5==0))

PRINT “The number is divisible by 2,3 and 5”

ELSE

PRINT “Not divisible by 2,3 and 5”

END

5.)BEGIN

DECLARE age as INTEGER

PROMPT “Enter age:” and STORE IN age

IF (age<=18) THEN

DISPLAY “Not Eligible to vote”

ELSE IF (age>=60)

DISPLAY “You are a senior citizen”

ELSE IF (age>18 && age<60)

DISPLAY “You are eligible to vote”

END IF

END

6.) BEGIN

DECLARE n as INTEGER

INITIALIZE n to 1

WHILE(n<=5)

PRINT n MOVE TO NEXT LINE

n=n+1

END WHILE

END

7.) BEGIN

DECLARE n as INTEGER

FOR n=1 TO 10

IF(n%2==0)

DISPLAY n “is an Even number”

ELSE

DISPLAY n “is an odd number”

ENDIF

END FOR

END

8.)BEGIN

DECLARE numbers[5] AS INTEGER ARRAY

DECLARE max as INTEGER

INITIALIZE max TO 0

FOR index=0 To 4

ACCEPT numbers[index]

END FOR

max=numbers[0]

FOR index=0 TO 4

If(numbers[index]>max) THEN

Max=numbers[index]

END IF

END FOR

PRINT max

END

9.) BEGIN

DECLARE numbers[5] as INTEGER ARRAY

DECLARE i,n as INTEGER

DECLARE num as integer

FOR i =0 to 4

ACCEPT numbers[i]

FOR i = 0 to 4

num =0

FOR n= 2 to numbers[i]

IF(numbers[i]%n==0)

num = num+1

END IF

END FOR

IF(num == 0)

DISPLAY numbers[i] is prime

ELSE

DISPLAY numbers[i] is not prime

END IF

END FOR

END