Q1.

* Start
* Enter the age of a person
* Using “if” statement we can compare the entered value to constant value i,e 18.
* If entered age is less then 18 out put will be : “not eligible to vote”
* If entered age is greater or equal to 18 then out put will be : “eligible to vote’

Pseudo code

* Input : Number(age)
* Output : yes/no
* Procedure : if age >=18
* Return yes
* Else
* Return no
* Stop

Q2.

* Start
* Enter the Number to check whether the number is prime or not.
* Use “for” loop , i<=10 and i=1, i+=1
* Divide the entered number by i , if reminder=0 in between the loop, loop will terminate and entered no. “is not prime” .
* If loop terminated by looping condition then entered no. “is prime”.

Pseudo code

* Input : number
* Output: yes/no
* Procedure : for i=1; i<=10; i+=1
* Divide number by i
* If reminder =0
* Return no
* Else
* Return yes

Q3.

* Start
* Enter the number to reverse
* Divide that number by 10 until when the quotient is less then the 10.
* Collect the reminders in each division and last quotient
* Join the all reminder and last quotient we will get reversed number

Pseudo code

* Input : Number(n)
* Output : reversed Number(Recerse)
* Procedure : In loop

Reminder=n%10

Reverse=Reverse\*10+Reminder(joining the no. in reverse order)

n = n/10

* Stop

Q4.

* Start
* Enter the number
* Use recursive function
* Base condition is : if n=0 ,return 1
* Else return n\*fun(n-1)

Pseudo code

* Input : number
* Output: factorial of number
* Procedure: function(number)
* If number=0 : return 1 (base condition)
* Else return(number\*function(number-1)
* stop

Q5.

* Start
* Enter a word
* Set count value to “0”
* Compare each letter of word to vowels of English
* If letter matches increase the count value to 1
* Continue 4 and 5th step for all letter in word
* Return the end value to count

Pseudo code

* Input : Word
* Output : total vowels in the entered word
* Procedure : Count=0
* If letter in word == any one from vowels set(a,e,i,o,u)
* Count=Count+1
* Return Count
* Stop