Subject code: CSA0914

Subject name: Programming in Java for Raspberry Pi.

Class Test - 1

13/08/2024

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1) Right angle Pattern Pseudocode:-

```
Input n=5
output
*
* *
* * *
* * * *
* * * * *
Intilise the integer(int)
int n=5
Initilise the for loop(i,j);
for(int i=1; i<=n; i++);
for(int J=1; j<=i; j++);
```

2) left triangle Pattern Pseudocode:-

```
Input n=5
output
        *
      * *
    * * *
  * * * *
* * * * *
Initilise the integer(int)
int n=5
Initilize the for loop(i,j)
int n=5
for(int i=1; i<=n; i++);
for(int j=1; j<=n-i; j++);
for(int k=1; k<=i; k++);
```

3) Pyramid Pattern Pseudocode:-

```
input n=5
output = *
        * *
       * * *
      * * * *
     * * * * *
Intilise the integer(int)
int n=5
for(i=1; i<=n; i++);
for(j=1; j<=n-i; j++)
for(k=1; k<=i; k++)
for(R=1; R<=1; R++)
end for loop
```

4) Half Pyramid Pseudocode:-

```
Input no of rows # n=4
output: *
       * *
      * * *
     * * * *
Begin
Initilite n(int)
Initilise for loop (1 to n)
for j loop from 1 to i
Point ("* *")
End loop(j)
Point ("\n")
end loop(i)
End Program.
```

5) **Inverted Pyramid Pseudocode :-**

inPut = 5

output:-
```
* * * * *
 * * * *
  * * *
   * *
    *
```

int rows = 5 // initilize row variable

for (int i; i <= n; i++) Assigning for loop i,j

  for (int j = 1; i <= i ; i++)

    for (int j = 1; j <= i - n; j++)

    PRINT ("*") .

    Print Pattern

6) **Right diamond Pseudocode :-**

Input = 5

Output:-
```
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

int rows = 5 // intilize rows

  for (int i = 1; i <= n ; i++) // int for loops

PRINT ("*")

for (int j = 1; j < 5; i++)

  Print ()

for (int i = 1; i <= n; i++)

  for (int j = 1; j <= i - n; i++)

    PRINT ("*") // Print Pattern.