**Pseudo Code**

1. Include the stepper library.
2. Specifying the pins through which stepper are connected
3. Declare all the variables
4. StepsPerRevolution=64
5. A
6. Current=1
7. Front=-1
8. Rear=-1
9. Declaring and array floor[4]={0,0,0,0}
10. Now define a function setup to run only once

Define the speed of stepper motor

Define all the pins from which input is to be taken

1. Now define another function enque with a parameter item to add value given by user in the array floor

If (rear==3)

rear=-1

rear=rear+1

floor[rear]=item

1. Define function deque to remove the first value stored in the array floor

If (front==3)

front=-1

front=front+1

froor[front]=0

1. Define a function loop which will run multiple times as long as the Arduino is connected

if (digitalRead(2)==HIGH)

a=1

if(check(a))

call function enque(1)

else if (digitalRead(3)==HIGH)

a=2

if(check(a))

call function enque(2)

else if (digitalRead(4)==HIGH)

a=3

if(check(a))

call function enque(3);

else if (digitalRead(5)==HIGH)

a=4

if(check(a))

call function enque(4);

1. Set i=0
2. Repeat it until value of I =4
3. I=i+1
4. If (floor[i]!=0)

Let stepper motor to take steps equal to stepsPerREvolution\*(current-floor[i])

current=floor[i]

call function deque()

1. Define a Boolean function check with a parameter n

If (floor.empty())

Return true

Else

Set i=0

Repeat it until i>=4

i=i+1

if (n==floor[i])

return false

else

return true