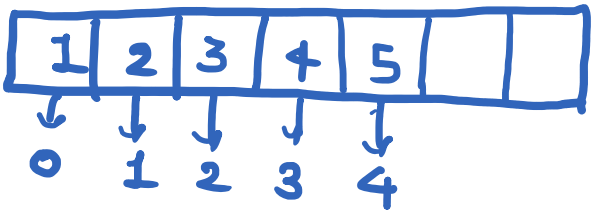
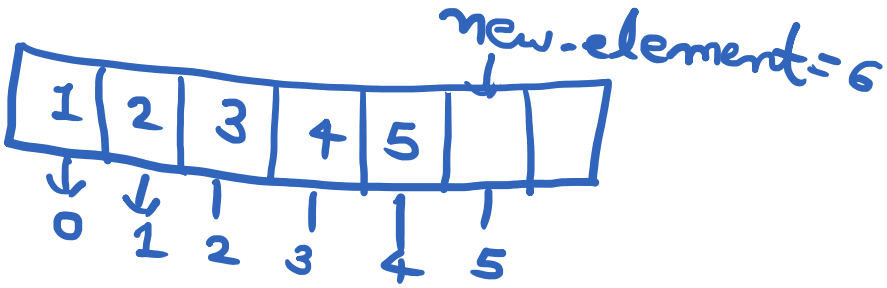
DS_9-8-2021

09 August 2021 08:07



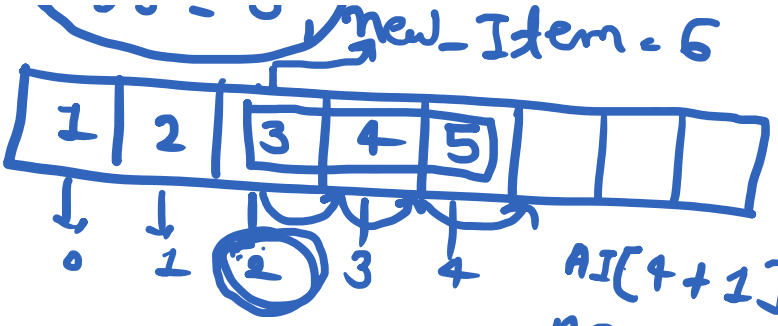

```
int AT[ ]={1,2,3,4,5}, i;
for(i=0 ; i<=4 ; i++)
   {
   Printf("%d \n", AT[i]);
    }
for(i=0 ; i<5 ; i++)
```

```
int AI[5]={1,2,3,4,5};
int new_item=6, location=5;
int i;
```



AI[location] = new_element

n = n + 1



n = 5

j = n

AI[4+1] = AI[4]

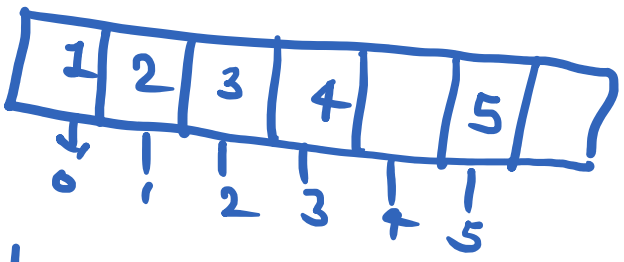
AI[3+1] = AI[3]

AI[2+1] = AI[2]

```
while (j >= pos)
  {
    AI[j+1] = AI[j];
    j = j - 1;
  }
```

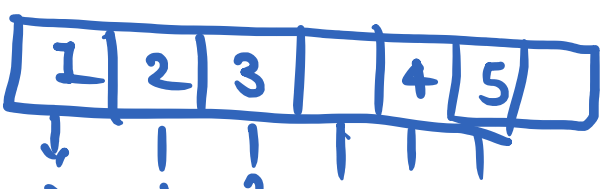
1st

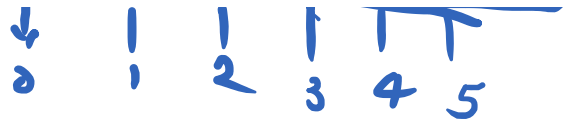
```
while(5>=3)
  {
    AI[5+1] = AI[5]
    5 = 5 - 1
  }
```



2nd

```
while(4>=3)
  {
    AI[4+1] = AI[4]
    4 = 4 - 1
  }
```





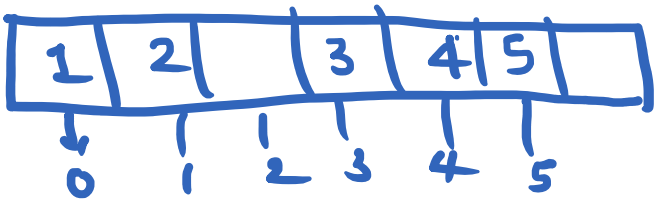
3rd = while (3 >= 3)

{

A[3+1] = A[3]

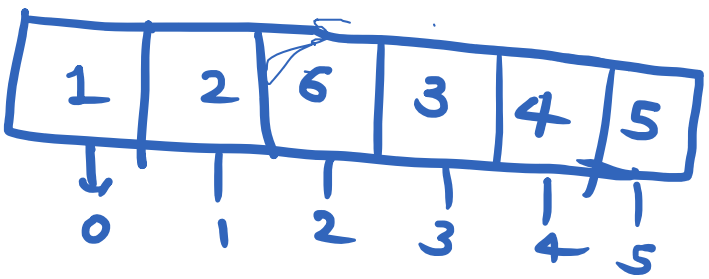
3 = 3 - 1

}



A[pos] = new_item;

A[2] = 6;



n = n + 1;

5 = 5 + 1

n = 6;