5 QUEENS

```
class solution:
    def init (self):
        self.MAX = 20  # size of array
        self.A = [0]*self.MAX
    def placement(self,i,j): # to check if queen can be placed
        for k in range (1, i):
            if (self.A[k] == j) or abs(self.A[k] - j) == abs(k - i):
                return False
        print(self.A)
        return True
    def printplacedqueen(self, N): # method for print the placed Queen
        print('Arrangment--->')
        print()
        for i in range (1, N+1):
            for j in range (1, N+1):
                if self.A[i] != j:
                   print('\t ',end =' ')
                else:
                    print('\tQ',end =' ')
            print()
            print()
```

```
enter the queens value5
Arrangment--->
```

Q	_	_	_	_
_	_	Q	_	
_	_	_	_	Q
_	Q	_	_	_
_	_	_	Q	_