```
""" Light program version of WindTurbines Inventory
from datetime import datetime
class Bcolors:
    """Class representing colors options"""
    GREEN = '\033
```

92m'
YELLOW = '\033

```
93m'
the_date = datetime.now().d
print(" ")
print(f'
```

Bcolors.YELLOW

```
⚙ Second Hand Windturbines. Inventory Tool ⚙ ')
                print(the_date)
print("===================================================
            class Windturbine:
        """Class representing Windturbine details as follows"""
                def init(self):
                    self._uname = ''
                    self._mfg = ''
                    self._model = ''
                    self._country = ''
                    self._year = 0
                    self._npower = 0
                def addTurbine(self):
                    try:
            self._uname = input('Agent-Name:\n ')
    self._mfg = input('Enter Windturbine Manufacturer:\n ')
        self._model = input('Enter Windturbine Model:\n ')
        self._country = input('Enter Country Location:\n ')
        self._year = int(input('Enter Windturbine year:\n '))
    self._npower = int(input('Enter Nominal Power [kW]:\n '))
                        return True
                    except ValueError:
                        print(f'
```

Bcolors.YELLOW

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Enter year & power, and filled the
                return False
            def str(self):
        return '\t'.join(str(x) for in
```

self._uname, self._mfg, self._model,
self._country, self._year, self._npower

```
)
            class Inventory:
    """Class representing Windturbine to be add
                def init(self):
                    self.turbines =
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            def addTurbine(self):
                turbine = Windturbine()
            if turbine.addTurbine() is True:
                self.turbines.append(turbine)
                    print()
        print('Fantastid!! ☺ The Windturbine was added ⚙')
                def viewInventory(self):
print("===================================================
    print('\t'.join(['', 'Agt', 'Mfg', 'Model', 'Ctry', 'Year', 'Pow
print("===================================================
            for idx, turbine in enumerate(self.turbines):
                    print(idx + 1, end='\t')
                    print(turbine)
                inventory = Inventory()
                    while True:
print("===================================================
        print(' ✓ Add Windturbine to Inventory           [1]
        print(' ✓ Delete Windturnine from Inventory        [2
        print(' ✓ List all Windturbines                 [3]')
        print(' ✓ Update Windturbine in Inventory          [4
        print(' ✓ Export Current Inventory               [5]')
        print(' ✓ Exit                                  [6]')
print("===================================================
            userInput = input('Select 1-6:\n ')
        if userInput == "1":# Add a Windturbines
                inventory.addTurbine()
        elif userInput == '2':# Remove a Windturbine
                if len(inventory.turbines)
```

```
                    1:
            print('WindTurbine(s) not found!!!')
                    continue
                inventory.viewInventory()
    item = int(input('Enter # of Windturbine to be deleted:\n '))
                    if item - 1
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                len(inventory.turbines):
                print('Wrong number provided')
                        else:
        inventory.turbines.remove(inventory.turbines[i
                        print()
                print('Windturbine deleted')
        elif userInput == '3':# list of the Windturbines re
                if len(inventory.turbines)
```

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        print('WindTurbine(s) not found!!!')
                continue
            inventory.viewInventory()
    elif userInput == '4':# Edit Windturbine re
            if len(inventory.turbines)
```

```
                    1:
            print('WindTurbine(s) not found!!!')
                    continue
                inventory.viewInventory()
    item = int(input('Select # of Windturbine to be updated:\n '))
                    if item - 1
```

```
                len(inventory.turbines):
                print('Wrong number provided')
                        else:
                windturbine = Windturbine()
            if windturbine.addTurbine() is True:
        inventory.turbines.remove(inventory.turbines[i
        inventory.turbines.insert(item - 1, windturbin
                        print()
            print('Great ☺, Windturbine was updated')
        elif userInput == '5':# Create a file txt to ex
                if len(inventory.turbines)
```

```
            print('WindTurbine(s) not found!!!')
                    continue
    f = open('windturbine_inventory.txt', 'w', encoding='utf
    f.write('\t'.join(['Agt', 'Mfg', 'Model', 'Ctry', 'Year', 'Power
                    f.write('\n')
            for turbile in inventory.turbines:
                f.write('%s\n' % turbile)
                    f.dose()
        print('Cool!! ☺ info exported to the file')
            elif userInput == '6':# exit the loop
            print('talk soon to you ☺')
                    break
                else:# Wrong user input
        print('Invalid Input. Please try again')
```