

```

from datetime import datetime, timedelta

class E_WasteItem:
    def __init__(self, name, purchase_date, lifespan_years):
        self.name = name
        self.purchase_date = datetime.strptime(purchase_date, "%Y-%m-%d")
        self.lifespan_years = lifespan_years
        self.expiry_date = self.purchase_date + timedelta(days=lifespan_years * 365)

    def check_status(self):
        today = datetime.now()
        if today >= self.expiry_date:
            return f"{self.name} is due for recycling."
        else:
            return f"{self.name} is still in use."

def main():
    items = []
    while True:
        print("\n--- E-waste Monitoring System ---")
        print("1. Add Electronic Item")
        print("2. Check Item Status")
        print("3. Exit")
        choice = input("Enter your choice: ")

        if choice == '1':
            name = input("Enter item name: ")
            purchase_date = input("Enter purchase date (YYYY-MM-DD): ")
            lifespan_years = int(input("Enter expected lifespan (years): "))
            item = E_WasteItem(name, purchase_date, lifespan_years)
            items.append(item)
            print(f"{name} added successfully!")

        elif choice == '2':
            for item in items:
                print(item.check_status())

        elif choice == '3':
            print("Exiting...")
            break

        else:
            print("Invalid choice, please try again.")

if __name__ == "__main__":
    main()

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--- E-waste Monitoring System ---
1. Add Electronic Item
2. Check Item Status
3. Exit
Enter your choice: 1
Enter item name: mobile
Enter purchase date (YYYY-MM-DD): 2018-02-05
Enter expected lifespan (years): 5
mobile added successfully!

--- E-waste Monitoring System ---
1. Add Electronic Item
2. Check Item Status
3. Exit
Enter your choice: laptop
Invalid choice, please try again.

--- E-waste Monitoring System ---
1. Add Electronic Item
2. Check Item Status
3. Exit
Enter your choice: 1
Enter item name: laptop
Enter purchase date (YYYY-MM-DD): 2021-05-02
Enter expected lifespan (years): 6
laptop added successfully!

--- E-waste Monitoring System ---
1. Add Electronic Item
2. Check Item Status
3. Exit
Enter your choice: 1
Enter item name: earphones
Enter purchase date (YYYY-MM-DD): 2021-04-2
Enter expected lifespan (years): 3

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earphones added successfully!
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--- E-waste Monitoring System ---
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1. Add Electronic Item
2. Check Item Status
3. Exit

```
Enter your choice: 2
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mobile is due for recycling.
```

```
laptop is still in use.
```

```
earphones is due for recycling.
```

```
--- E-waste Monitoring System ---
```

1. Add Electronic Item
2. Check Item Status
3. Exit

```
Enter your choice: 3
```

```
Exiting...
```