```
class DataAnalyzer:
    def __init__(self):
        self.dataset = set()
        self.data_dict = {}

    def add_to_set(self, item):
        self.dataset.add(item)

    def remove_from_set(self, item):
        if item in self.dataset:
            self.dataset.remove(item)
        else:
            print("Item not found in the set.")

    def get_set(self):
        return self.dataset

    def create_dictionary(self, key, value):
        if key not in self.data_dict:
            self.data_dict[key] = value
        else:
            print("Key already exists in the dictionary.")

    def update_dictionary(self, key, value):
        if key in self.data_dict:
            self.data_dict[key] = value
        else:
            print("Key not found in the dictionary.")

    def get_dictionary(self):
        return self.data_dict

    def search_dictionary(self, key):
        if key in self.data_dict:
            return self.data_dict[key]
        else:
            return None

    def remove_from_dictionary(self, key):
        if key in self.data_dict:
            del self.data_dict[key]
        else:
            print("Key not found in the dictionary.")


# Example usage:

analyzer = DataAnalyzer()


# Adding items to the set
analyzer.add_to_set(10)
analyzer.add_to_set(20)
analyzer.add_to_set(30)
print("Set after adding items:", analyzer.get_set())
```

```
Set after adding items: {10, 20, 30}
```

```
# Removing an item from the set
analyzer.remove_from_set(20)
print("Set after removing item:", analyzer.get_set())
```

```
Set after removing item: {10, 30}
```

```
# Creating dictionary
analyzer.create_dictionary('a', 1)
analyzer.create_dictionary('b', 2)
print("Dictionary:", analyzer.get_dictionary())
```

```
Dictionary: {'a': 1, 'b': 2}
```

```
# Updating dictionary
analyzer.update_dictionary('a', 100)
print("Updated Dictionary:", analyzer.get_dictionary())
```

```
Updated Dictionary: {'a': 100, 'b': 2}
```

```
# Searching dictionary
print("Value for key 'a':", analyzer.search_dictionary('a'))
```

```
Value for key 'a': 100
```

```
# Removing from dictionary
analyzer.remove_from_dictionary('b')
print("Dictionary after removal:", analyzer.get_dictionary())
```

```
Dictionary after removal: {'a': 100}
```