

```
1  def main(): ...
2
3
4  def create_report(spacecraft):
5      return f"""
6          ===== REPORT =====
7
8          Name: {spacecraft["name"]}
9          Distance: {spacecraft["distance"]} AU
10
11         =====
12         """
13
14
15  main()
```

```
1 def main():
2     spacecraft = {"name": "Voyager 1", "distance": 163}
3     print(create_report(spacecraft))
4
5
6 def create_report(spacecraft):
7     return f"""
8     ===== REPORT =====
9
10    Name: {spacecraft["name"]}
11    Distance: {spacecraft["distance"]} AU
12
13    =====
14    """
15
16
17 main()
```

```
1 def main():
2     spacecraft = {"name": "James Webb Space Telescope"}
3     print(create_report(spacecraft))
4
5
6 def create_report(spacecraft):
7     return f"""
8     ===== REPORT =====
9
10    Name: {spacecraft["name"]}
11    Distance: {spacecraft["distance"]} AU
12
13    =====
14    """
15
16
17 main()
```

```
1  def main():
2      spacecraft = {"name": "James Webb Space Telescope"}
3      print(create_report(spacecraft))
4
5
6  def create_report(spacecraft):
7      return f"""
8          ===== REPORT =====
9
10         Name: {spacecraft.get("name")}
11         Distance: {spacecraft.get("distance")} AU
12
13         =====
14         """
15
16
17  main()
```

```
1  def main():
2      spacecraft = {"name": "James Webb Space Telescope"}
3      print(create_report(spacecraft))
4
5
6  def create_report(spacecraft):
7      return f"""
8          ===== REPORT =====
9
10         Name: {spacecraft.get("name", "Unknown")}
11         Distance: {spacecraft.get("distance", "Unknown")} AU
12
13         =====
14         """
15
16
17  main()
```

```
1 def main():
2     spacecraft = {"name": "James Webb Space Telescope"}
3     spacecraft["distance"] = 0.01
4     print(create_report(spacecraft))
5
6
7 def create_report(spacecraft):
8     return f"""
9     ===== REPORT =====
10
11     Name: {spacecraft.get("name", "Unknown")}
12     Distance: {spacecraft.get("distance", "Unknown")} AU
13
14     =====
15     """
16
17
18 main()
```

```
1 def main():
2     spacecraft = {"name": "James Webb Space Telescope"}
3     spacecraft.update({"distance": 0.01, "orbit": "Sun"})
4     print(create_report(spacecraft))
5
6
7 def create_report(spacecraft):
8     return f"""
9     ===== REPORT =====
10
11     Name: {spacecraft.get("name", "Unknown")}
12     Distance: {spacecraft.get("distance", "Unknown")} AU
13     Orbit: {spacecraft.get("orbit", "Unknown")}
14
15     =====
16     """
17
18
19 main()
```

```
1  distances = {
2      "Voyager 1": 163,
3      "Voyager 2": 136,
4      "Pioneer 10": 80,
5      "New Horizons": 58,
6      "Pioneer 11": 44,
7  }
8
9
10 def main():
11     for name in distances.keys():
12         print(f"{name} is {distances[name]} AU from Earth")
13
14
15 main()
```



```
1  distances = {
2      "Voyager 1": 163,
3      "Voyager 2": 136,
4      "Pioneer 10": 80,
5      "New Horizons": 58,
6      "Pioneer 11": 44,
7  }
8
9
10 def main():
11     for distance in distances.values():
12         print(f"{distance} AU is {convert(distance)} m")
13
14
15 def convert(au):
16     return au * 149597870700
17
18
19 main()
```