

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

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4     "Pioneer 10": "80 AU",
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6     "Pioneer 11": "44 AU",
7 }
8
9
10 def main():
11     spacecraft = input("Enter a spacecraft: ")
12     m = convert(distances[spacecraft])
13     print(f"{m} m")
14
15
16 def convert(au):
17     return au * 149597870700
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20 main()
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9
10 def main():
11     spacecraft = input("Enter a spacecraft: ")
12     au = float(distances[spacecraft])
13     m = convert(au)
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7  }
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9
10 def main():
11     spacecraft = input("Enter a spacecraft: ")
12
13     try:
14         au = float(distances[spacecraft])
15     except ValueError:
16         print(f"Can't convert '{distances[spacecraft]}' to a float")
17         return
18
19     m = convert(au)
20     print(f"{m} m")
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23 def convert(au):
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9
10 def main():
11     spacecraft = input("Enter a spacecraft: ")
12
13     try:
14         au = float(distances[spacecraft])
15     except KeyError:
16         print(f"'{spacecraft}' is not in dictionary")
17         return
18     except ValueError:
19         print(f"Can't convert '{distances[spacecraft]}' to a float")
20         return
21
22     m = convert(au)
23     print(f"{m} m")
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26 def convert(au):
27     return au * 149597870700
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30 main()
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