

AI-Powered Quality Control in Manufacturing

PROGRAM CODE:

```
# Quality Control in Management -  
Basic Example  
  
# Minimum quality score required to  
pass inspection  
quality_threshold = 90  
  
# List of products with their  
inspection scores  
products = [  
    {"name": "Widget A", "score":  
95},  
    {"name": "Widget B", "score":  
88},  
    {"name": "Widget C", "score":  
91},  
    {"name": "Widget D", "score":  
85},  
    {"name": "Widget E", "score": 93}  
]  
  
# Check each product against the  
threshold  
for product in products:  
    name = product["name"]  
    score = product["score"]  
  
    if score >= quality_threshold:  
        result = "PASS"  
    else:  
        result = "FAIL"  
  
    print(f"{name}: Score = {score}  
--> {result}")
```

OUTPUT

```
Widget A: Score = 95 --> PASS
Widget B: Score = 88 --> FAIL
Widget C: Score = 91 --> PASS
Widget D: Score = 85 --> FAIL
Widget E: Score = 93 --> PASS
```