

```
def calculate_bmi(weight_kg, height_m):  
    """  
    Calculate Body Mass Index (BMI).  
    :param weight_kg: Weight in kilograms (e.g., 70)  
    :param height_m: Height in meters (e.g., 1.75)  
    :return: BMI as a float  
    """  
    return weight_kg / (height_m ** 2)
```

```
def bmi_category(bmi):  
    """  
    Classify BMI into categories.  
    """  
    if bmi < 16:  
        return "Severely underweight"  
    elif bmi < 18.5:  
        return "Underweight"  
    elif bmi < 25:  
        return "Healthy"  
    elif bmi < 30:  
        return "Overweight"  
    else:  
        return "Severely overweight or obese"
```

```
def main():
```

```
try:
```

```
    height = float(input("Enter your height in meters: "))
```

```
    weight = float(input("Enter your weight in kilograms: "))
```

```
except ValueError:
```

```
    print("Please enter valid numbers.")
```

```
    return
```

```
bmi = calculate_bmi(weight, height)
```

```
print(f"\nYour BMI is: {bmi:.2f}")
```

```
print("Category:", bmi_category(bmi))
```

```
if __name__ == "__main__":
```

```
    main()
```