

```

void main() {
  Map<String, double> items = {
    'Apple': 120,
    'Orange': 60,
    'Rice': 80,
    'Gram': 60,
    'Millet': 70,
  };

  print('Grocery Items');
  items.forEach((item, price) {
    print('$item:
    \${price.toStringAsFixed(2)}');
  });

  double totalPrice =
  items.values.fold(0.0, (sum, price) =>
  sum + price);

```

```

print('\nTotal price of all items before discount : \${totalPrice.toStringAsFixed(2)}');

```

```

double discountPercentage = 0.0;
if (totalPrice < 500) {
  discountPercentage = 0.05;
} else if (totalPrice >= 500 && totalPrice < 1000) {
  discountPercentage = 0.10;
} else if (totalPrice >= 1000) {
  discountPercentage = 0.15;
}

```

```

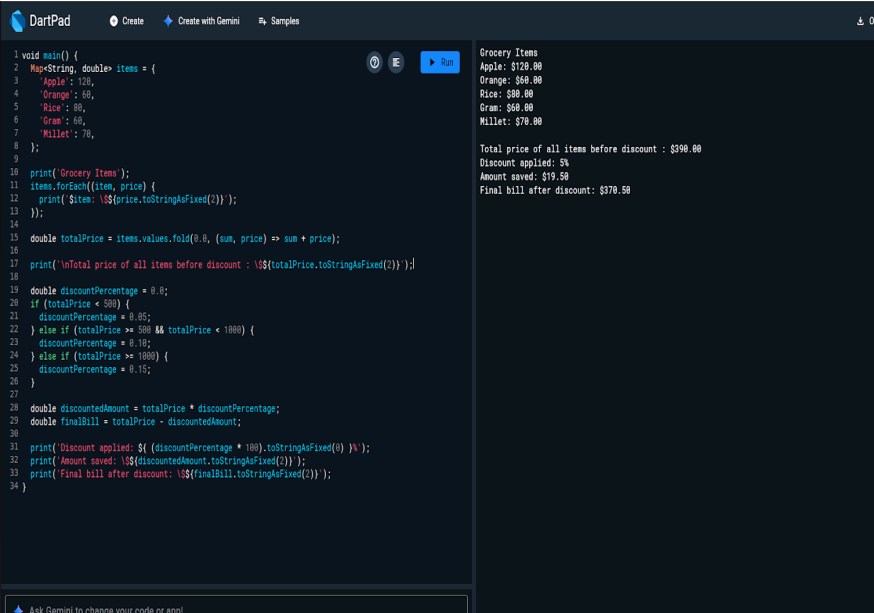
double discountedAmount = totalPrice * discountPercentage;
double finalBill = totalPrice - discountedAmount;

```

```

print('Discount applied: ${ (discountPercentage * 100).toStringAsFixed(0) }%');
print('Amount saved: \${discountedAmount.toStringAsFixed(2)}');
print('Final bill after discount: \${finalBill.toStringAsFixed(2)}');
}

```



The screenshot shows the DartPad web interface. On the left, the Dart code is displayed with line numbers 1 through 34. The code defines a map of grocery items, calculates the total price, applies a discount based on the total price, and prints the results. On the right, the output of the code is shown, including the list of items, the total price before discount, the discount applied, the amount saved, and the final bill after discount.

```

1 void main() {
2   Map<String, double> items = {
3     'Apple': 120,
4     'Orange': 60,
5     'Rice': 80,
6     'Gram': 60,
7     'Millet': 70,
8   };
9
10  print('Grocery Items');
11  items.forEach((item, price) {
12    print('$item: \${price.toStringAsFixed(2)}');
13  });
14
15  double totalPrice = items.values.fold(0.0, (sum, price) => sum + price);
16
17  print('\nTotal price of all items before discount : \${totalPrice.toStringAsFixed(2)}');
18
19  double discountPercentage = 0.0;
20  if (totalPrice < 500) {
21    discountPercentage = 0.05;
22  } else if (totalPrice >= 500 && totalPrice < 1000) {
23    discountPercentage = 0.10;
24  } else if (totalPrice >= 1000) {
25    discountPercentage = 0.15;
26  }
27
28  double discountedAmount = totalPrice * discountPercentage;
29  double finalBill = totalPrice - discountedAmount;
30
31  print('Discount applied: ${ (discountPercentage * 100).toStringAsFixed(0) }%');
32  print('Amount saved: \${discountedAmount.toStringAsFixed(2)}');
33  print('Final bill after discount: \${finalBill.toStringAsFixed(2)}');
34 }

```

Output:

```

Grocery Items
Apple: $120.00
Orange: $60.00
Rice: $80.00
Gram: $60.00
Millet: $70.00

Total price of all items before discount : $390.00
Discount applied: 5%
Amount saved: $19.50
Final bill after discount: $370.50

```

```
class MovieBooking {
  String movieName;
  int ticketsBooked;
  double pricePerTicket;
```

```
  MovieBooking(this.movieName,
    this.ticketsBooked, this.pricePerTicket);
```

```
  double calculateTotalCost() {
    return ticketsBooked * pricePerTicket;
  }
}
```

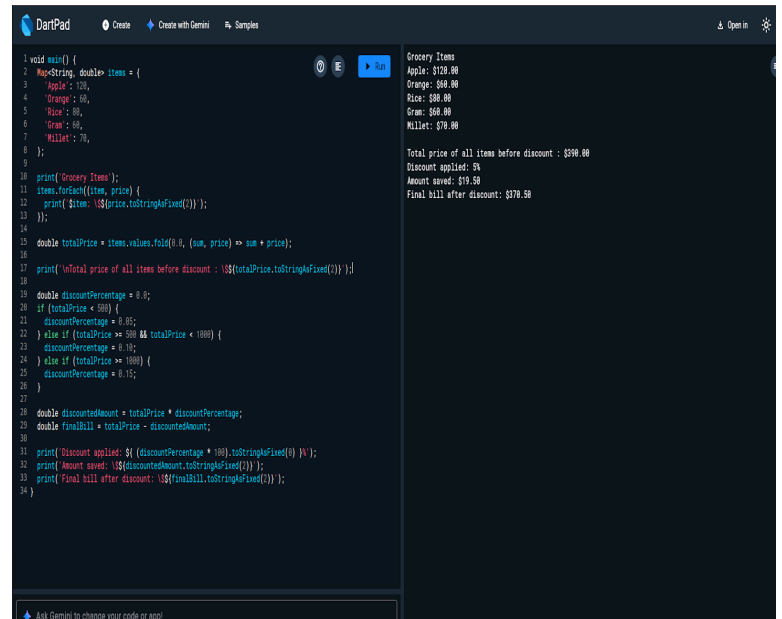
```
void main() {
```

```
  List<MovieBooking> bookings = [
    MovieBooking("Suu from So", 3, 150.0),
    MovieBooking("Max", 2, 200.0),
    MovieBooking("Kantara", 4, 180.0),
  ];
```

```
  double grandTotal = 0;
```

```
  for (var booking in bookings) {
    double totalCost = booking.calculateTotalCost();
    print("Movie: ${booking.movieName}");
    print("Tickets Booked: ${booking.ticketsBooked}");
    print("Price per Ticket: Rs ${booking.pricePerTicket}");
    print("Total Cost: Rs $totalCost");
```

```
  }
}
```



```
1 void main() {
2   Map<String, double> items = {
3     'Apple': 120,
4     'Orange': 80,
5     'Rice': 80,
6     'Gram': 60,
7     'Wheat': 70,
8   };
9
10  print('Grocery Items');
11  items.forEach((item, price) {
12    print('$item: ₹$price.toStringFixed(2)');
13  });
14
15  double totalPrice = items.values.fold(0.0, (sum, price) => sum + price);
16
17  print('Total price of all items before discount : ₹$totalPrice.toStringFixed(2)');
18
19  double discountPercentage = 0.05;
20  if (totalPrice < 500) {
21    discountPercentage = 0.05;
22  } else if (totalPrice >= 500 && totalPrice < 1000) {
23    discountPercentage = 0.10;
24  } else if (totalPrice >= 1000) {
25    discountPercentage = 0.15;
26  }
27
28  double discountedAmount = totalPrice * discountPercentage;
29  double finalBill = totalPrice - discountedAmount;
30
31  print('Discount applied: ₹${discountPercentage * 100}.toStringFixed(2)} %');
32  print('Amount saved: ₹${discountedAmount.toStringFixed(2)}');
33  print('Final bill after discount: ₹$finalBill.toStringFixed(2)');
34 }
```

Grocery Items
 Apple: ₹120.00
 Orange: ₹80.00
 Rice: ₹80.00
 Gram: ₹60.00
 Wheat: ₹70.00
 Total price of all items before discount : ₹390.00
 Discount applied: 5%
 Amount saved: ₹19.50
 Final bill after discount: ₹370.50

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