

# XML Assignment - Flipkart Database

Q) Write an XML program for Flipkart database.

I) CHART:

```
Flipkart
├── Home
│   ├── ForYou
│   │   ├── Item (name, price, brand)
│   │   ├── TopDeals
│   │   │   ├── Item (name, price, brand)
│   │   └── RecentlyViewed
│   │       ├── Item (name, price, brand)
│   └── Fashion
│       ├── Men
│       │   ├── Item (name, price, brand)
│       ├── Women
│       │   ├── Item (name, price, brand)
│       └── Kids
│           ├── Item (name, price, brand)
├── Electronics
│   ├── Mobiles
│   │   ├── Item (name, price, brand)
│   ├── Laptops
│   │   ├── Item (name, price, brand)
│   └── Accessories
│       ├── Item (name, price, brand)
└── Groceries
    ├── Vegetables
    │   ├── Item (name, price, brand)
    ├── Snacks
    │   ├── Item (name, price, brand)
    └── Beverages
        ├── Item (name, price, brand)
```

II) INPUT XML:

```
<?xml version="1.0" encoding="UTF-8"?>
<Flipkart>
  <Home>
    <ForYou>
      <Item class="recommended-smartphone">
        <Name>Recommended Smartphone</Name>
        <Price>15999</Price>
        <Brand>Realme</Brand>
      </Item>
      <Item class="wireless-earbuds">
        <Name>Wireless Earbuds</Name>
        <Price>2999</Price>
        <Brand>boAt</Brand>
      </Item>
    </ForYou>
```

## XML Assignment - Flipkart Database

```
<Fashion>
  <Item class="mens-t-shirt">
    <Name>Men's T-Shirt</Name>
    <Price>499</Price>
    <Brand>Roadster</Brand>
  </Item>
  <Item class="womens-dress">
    <Name>Women's Dress</Name>
    <Price>999</Price>
    <Brand>Tokyo Talkies</Brand>
  </Item>
</Fashion>

<Mobile>
  <Item class="redmi-note-13">
    <Name>Redmi Note 13</Name>
    <Price>17999</Price>
    <Brand>Xiaomi</Brand>
  </Item>
  <Item class="samsung-galaxy-m14">
    <Name>Samsung Galaxy M14</Name>
    <Price>13999</Price>
    <Brand>Samsung</Brand>
  </Item>
</Mobile>

<Electronics>
  <Item class="smart-led-tv">
    <Name>Smart LED TV</Name>
    <Price>24999</Price>
    <Brand>OnePlus</Brand>
  </Item>
  <Item class="laptop">
    <Name>Laptop</Name>
    <Price>48999</Price>
    <Brand>Dell</Brand>
  </Item>
</Electronics>

<Appliances>
  <Item class="washing-machine">
    <Name>Washing Machine</Name>
    <Price>18999</Price>
    <Brand>LG</Brand>
  </Item>
  <Item class="microwave-oven">
    <Name>Microwave Oven</Name>
    <Price>7999</Price>
    <Brand>IFB</Brand>
  </Item>
```

## XML Assignment - Flipkart Database

```
</Appliances>

<HomeCategory>
  <Item class="wall-decor">
    <Name>Wall Decor</Name>
    <Price>1499</Price>
    <Type>Art Print</Type>
  </Item>
  <Item class="bed-sheet">
    <Name>Bed Sheet</Name>
    <Price>799</Price>
    <Type>Cotton</Type>
  </Item>
</HomeCategory>

<FoodAndHealth>
  <Item class="protein-powder">
    <Name>Protein Powder</Name>
    <Price>1599</Price>
    <Brand>MuscleBlaze</Brand>
  </Item>
  <Item class="health-drink">
    <Name>Health Drink</Name>
    <Price>349</Price>
    <Brand>Horlicks</Brand>
  </Item>
</FoodAndHealth>
</Home>

<Loan>
  <PersonalLoan>
    <Amount>100000</Amount>
    <Interest>11%</Interest>
    <EMI>2500</EMI>
  </PersonalLoan>
</Loan>

<Travel>
  <Bus>
    <Date>2025-08-10</Date>
    <Price>500</Price>
    <Person>1</Person>
  </Bus>
  <Train>
    <Date>2025-08-11</Date>
    <Price>1200</Price>
    <Person>2</Person>
  </Train>
  <Flight>
    <Date>2025-08-12</Date>
    <Price>7500</Price>
```

## XML Assignment - Flipkart Database

```
<Person>1</Person>
<Hotel>
  <Price>3000</Price>
  <Date>2025-08-12</Date>
  <Person>1</Person>
</Hotel>
</Flight>
</Travel>

<Grocery>
  <CookingEssential>
    <Item class="oil">
      <Name>Oil</Name>
      <Price>150</Price>
      <Brand>Fortune</Brand>
      <Quantity>1L</Quantity>
    </Item>
    <Item class="salt">
      <Name>Salt</Name>
      <Price>25</Price>
      <Brand>Tata</Brand>
      <Quantity>1Kg</Quantity>
    </Item>
  </CookingEssential>

  <HouseholdSupplies>
    <Item class="detergent">
      <Name>Detergent</Name>
      <Price>180</Price>
      <Brand>Surf Excel</Brand>
      <Quantity>1Kg</Quantity>
    </Item>
    <Item class="cleaner">
      <Name>Cleaner</Name>
      <Price>75</Price>
      <Brand>Lizol</Brand>
      <Quantity>500ml</Quantity>
    </Item>
  </HouseholdSupplies>

  <PersonalCare>
    <Item class="shampoo">
      <Name>Shampoo</Name>
      <Price>120</Price>
      <Brand>Clinic Plus</Brand>
      <Quantity>340ml</Quantity>
    </Item>
    <Item class="soap">
      <Name>Soap</Name>
      <Price>30</Price>
      <Brand>Lifebuoy</Brand>
```

## XML Assignment - Flipkart Database

```
<Quantity>100g</Quantity>
</Item>
</PersonalCare>

<PackagedFood>
  <Item class="biscuits">
    <Name>Biscuits</Name>
    <Price>20</Price>
    <Brand>Parle-G</Brand>
    <Quantity>250g</Quantity>
  </Item>
  <Item class="snacks">
    <Name>Snacks</Name>
    <Price>35</Price>
    <Brand>Kurkure</Brand>
    <Quantity>90g</Quantity>
  </Item>
</PackagedFood>

<FoodieAccessories>
  <Item class="spoons">
    <Name>Spoons</Name>
    <Price>99</Price>
    <Brand>Milton</Brand>
    <Quantity>Set of 6</Quantity>
  </Item>
  <Item class="plates">
    <Name>Plates</Name>
    <Price>299</Price>
    <Brand>Cello</Brand>
    <Quantity>Set of 4</Quantity>
  </Item>
</FoodieAccessories>
</Grocery>
</Flipkart>
```

### III) OUTPUT XML (Browser View):

## XML Assignment - Flipkart Database

```
▼<Flipkart>
  ▼<Home>
    ▼<ForYou>
      ▼<Item class="recommended-smartphone">
        <Name>Recommended Smartphone</Name>
        <Price>15999</Price>
        <Brand>Realme</Brand>
      </Item>
      ▼<Item class="wireless-earbuds">
        <Name>Wireless Earbuds</Name>
        <Price>2999</Price>
        <Brand>boAt</Brand>
      </Item>
    </ForYou>
    ▼<Fashion>
      ▼<Item class="mens-t-shirt">
        <Name>Men's T-Shirt</Name>
        <Price>499</Price>
        <Brand>Roadster</Brand>
      </Item>
      ▼<Item class="womens-dress">
        <Name>Women's Dress</Name>
        <Price>999</Price>
        <Brand>Tokyo Talkies</Brand>
      </Item>
    </Fashion>
    ▼<Mobile>
      ▼<Item class="redmi-note-13">
        <Name>Redmi Note 13</Name>
        <Price>17999</Price>
        <Brand>Xiaomi</Brand>
      </Item>
      ▼<Item class="samsung-galaxy-m14">
        <Name>Samsung Galaxy M14</Name>
        <Price>13999</Price>
        <Brand>Samsung</Brand>
      </Item>
    </Mobile>
    ▼<Electronics>
      ▼<Item class="smart-led-tv">
        <Name>Smart LED TV</Name>
        <Price>24999</Price>
        <Brand>OnePlus</Brand>
      </Item>
```

## XML Assignment - Flipkart Database

```
▼<Item class="laptop">
  <Name>Laptop</Name>
  <Price>48999</Price>
  <Brand>Dell</Brand>
</Item>
</Electronics>
▼<Appliances>
  ▼<Item class="washing-machine">
    <Name>Washing Machine</Name>
    <Price>18999</Price>
    <Brand>LG</Brand>
  </Item>
  ▼<Item class="microwave-oven">
    <Name>Microwave Oven</Name>
    <Price>7999</Price>
    <Brand>IFB</Brand>
  </Item>
</Appliances>
▼<HomeCategory>
  ▼<Item class="wall-decor">
    <Name>Wall Decor</Name>
    <Price>1499</Price>
    <Type>Art Print</Type>
  </Item>
  ▼<Item class="bed-sheet">
    <Name>Bed Sheet</Name>
    <Price>799</Price>
    <Type>Cotton</Type>
  </Item>
</HomeCategory>
▼<FoodAndHealth>
  ▼<Item class="protein-powder">
    <Name>Protein Powder</Name>
    <Price>1599</Price>
    <Brand>MuscleBlaze</Brand>
  </Item>
  ▼<Item class="health-drink">
    <Name>Health Drink</Name>
    <Price>349</Price>
    <Brand>Horlicks</Brand>
  </Item>
</FoodAndHealth>
</Home>
▼<Loan>
  ▼<PersonalLoan>
    <Amount>100000</Amount>
    <Interest>11%</Interest>
    <EMI>2500</EMI>
```

## XML Assignment - Flipkart Database

```
</PersonalLoan>
</Loan>
▼<Travel>
  ▼<Bus>
    <Date>2025-08-10</Date>
    <Price>500</Price>
    <Person>1</Person>
  </Bus>
  ▼<Train>
    <Date>2025-08-11</Date>
    <Price>1200</Price>
    <Person>2</Person>
  </Train>
  ▼<Flight>
    <Date>2025-08-12</Date>
    <Price>7500</Price>
    <Person>1</Person>
    ▼<Hotel>
      <Price>3000</Price>
      <Date>2025-08-12</Date>
      <Person>1</Person>
    </Hotel>
  </Flight>
</Travel>
▼<Grocery>
  ▼<CookingEssential>
    ▼<Item class="oil">
      <Name>Oil</Name>
      <Price>150</Price>
      <Brand>Fortune</Brand>
      <Quantity>1L</Quantity>
    </Item>
    ▼<Item class="salt">
      <Name>Salt</Name>
      <Price>25</Price>
      <Brand>Tata</Brand>
      <Quantity>1Kg</Quantity>
    </Item>
  </CookingEssential>
  ▼<HouseholdSupplies>
    ▼<Item class="detergent">
      <Name>Detergent</Name>
      <Price>180</Price>
      <Brand>Surf Excel</Brand>
      <Quantity>1Kg</Quantity>
    </Item>
```



## XML Assignment - Flipkart Database

```
▼<Item class="cleaner">
  <Name>Cleaner</Name>
  <Price>75</Price>
  <Brand>Lizol</Brand>
  <Quantity>500ml</Quantity>
</Item>
</HouseholdSupplies>
▼<PersonalCare>
  ▼<Item class="shampoo">
    <Name>Shampoo</Name>
    <Price>120</Price>
    <Brand>Clinic Plus</Brand>
    <Quantity>340ml</Quantity>
  </Item>
  ▼<Item class="soap">
    <Name>Soap</Name>
    <Price>30</Price>
    <Brand>Lifebuoy</Brand>
    <Quantity>100g</Quantity>
  </Item>
</PersonalCare>
▼<PackagedFood>
  ▼<Item class="biscuits">
    <Name>Biscuits</Name>
    <Price>20</Price>
    <Brand>Parle-G</Brand>
    <Quantity>250g</Quantity>
  </Item>
  ▼<Item class="snacks">
    <Name>Snacks</Name>
    <Price>35</Price>
    <Brand>Kurkure</Brand>
    <Quantity>90g</Quantity>
  </Item>
</PackagedFood>
▼<FoodieAccessories>
  ▼<Item class="spoons">
    <Name>Spoons</Name>
    <Price>99</Price>
    <Brand>Milton</Brand>
    <Quantity>Set of 6</Quantity>
  </Item>
  ▼<Item class="plates">
    <Name>Plates</Name>
    <Price>299</Price>

    <Brand>Cello</Brand>
    <Quantity>Set of 4</Quantity>
  </Item>
</FoodieAccessories>
</Grocery>
</Flipkart>
```