1. **AWS Lambda**:
    - **Functionality**: AWS Lambda is a serverless compute service that runs code in response to events. It can be used for data processing, analytics, and more.
    - **Use Cases**: Lambda is suitable for tasks that require processing data in real-time, such as data transformation, data validation, or sending notifications.
    - **Cost**: Lambda charges based on the number of requests and the duration of the execution.
2. **RDS**:
    - **Functionality**: Amazon Relational Database Service (RDS) is a managed relational database service that supports popular database engines like MySQL, PostgreSQL, Oracle, and SQL Server.
    - **Use Cases**: RDS is ideal for applications that require a traditional relational database, such as web applications, mobile apps, or enterprise software.
    - **Cost**: RDS charges based on the instance type, storage, and data transfer.
3. **Aurora**:
    - **Functionality**: Amazon Aurora is a MySQL and PostgreSQL-compatible database service that offers high performance, durability, and scalability.
    - **Use Cases**: Aurora is suitable for applications that require high performance, low latency, and high availability, such as real-time analytics, gaming, or financial transactions.
    - **Cost**: Aurora charges based on the instance type, storage, and data transfer.
4. **Redshift**:
    - **Functionality**: Amazon Redshift is a data warehousing service that allows users to analyze data using SQL and supports petabyte-scale data storage.
    - **Use Cases**: Redshift is ideal for data analytics, business intelligence, and data science applications that require complex queries and large-scale data processing.
    - **Cost**: Redshift charges based on the data scanned, storage, and data transfer.
5. **Athena**:
    - **Functionality**: Amazon Athena is a serverless query service that allows users to analyze data in Amazon S3 using SQL.
    - **Use Cases**: Athena is suitable for ad-hoc queries, data exploration, and data analysis on large datasets stored in S3.
    - **Cost**: Athena charges based on the data scanned and the number of queries executed.