



### Internship Training Report 3

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## Oracle ERP

Cloud-based system for managing finances, HR, procurement, and projects that provide real-time analysis and automation of business operations for companies.

### Key Features:

- The module includes components related to finance, procurement, project management, supply chain, etc.
- A cloud-based solution is accessible from anywhere, without the need for local installation.
- Dashboards that are updated in real time to facilitate faster decision-making.
- Forecasting, automation, and fraud detection powered by AI/ML.
- User-driven updates every quarter.

### Used by:

- Ideal for businesses with complex needs in multiple countries, multiple currencies, and multiple languages.
- Used by top global companies like **Toyota**, **HSBC**, and **Zoom**.

### Oracle ERP Uses AI and Machine Learning

The Oracle Cloud ERP system is more than just a tool for entering data. AI (Artificial Intelligence) and machine learning are used to:

- Analyze and predict cash flow
- Detecting financial fraud
- Automate approvals
- Provide recommendations for the best suppliers or prices

Instead of manually reviewing thousands of invoices, the system can flag those that appear suspicious.

### Real-Time Decision-Making in Oracle ERP Cloud

By providing live, up-to-date data across all departments, Oracle ERP Cloud enables companies to make quick and accurate decisions. As a result, there is no need to wait for manual reports or outdated information.

Feature	What It Does	Example
<b>Live Dashboards</b>	Visualize real-time data (charts, KPIs, alerts)	In order to approve supplier payments, a finance manager sees today's cash balance instantly.
<b>Connected Modules</b>	The updates from one department are reflected in all others.	As soon as inventory receives goods, finance and procurement are updated.
<b>Instant Data Access</b>	Provides users with access to current information at any time and from anywhere	A manager monitors the project budget and progress on their laptop or mobile phone.
<b>Automatic Alerts</b>	Instantly notifies users of any changes, delays, or issues	A buyer is notified by Oracle that a supplier failed to meet a delivery deadline.
<b>Faster Decision Support</b>	Provides managers with current information so that they can take action immediately	A store manager notices that the stock is low and requests a transfer from another warehouse.
<b>No Manual Reports Needed</b>	Reduces the time spent waiting for Excel reports or emails	Instead of asking staff to send reports, a CFO views live sales data.
<b>Up-to-Date Forecasting</b>	Analyzes current data to predict future cash flow, expenses, or supply requirements	It provides an overview of the expected cash position for next month in order to plan salary payments.

### Oracle Cloud vs. Oracle on Premises

	Oracle cloud	Oracle on premises
<b>Deployment Model</b>	Oracle Hosts and maintains the software on its server and handle updates and maintenance	Maintained on the company's server and infrastructure giving them complete control
<b>Costs</b>	Pay a fee based on usage patterns/number of users It can be more cost-effective	Lower ongoing subscription costs but require high investments and maintenance
<b>Scalability</b>	Greater scalability	Limited scalability
<b>Security and Compliance</b>	providers invest highly in security features	Company has full control over security measures
<b>Implementation Time</b>	Faster implementation	Longer due to hardware/software installation
<b>Customization</b>	Limit customization	Greater customization options
<b>Integration</b>	Easier integration with other cloud-based application	Additional development effort, compatibility issues
<b>Upgrades and Maintenance</b>	Cloud providers handle upgrades and maintenance	Complex and time-consuming

## Similar Systems

ERP System	Strengths	Best For
<b>SAP S/4HANA</b>	Real-time, industry-depth	Large enterprises
<b>Microsoft Dynamics</b>	Microsoft integration, modular	SMBs to large orgs
<b>Workday</b>	HR + Finance, modern UI	HR/finance-focused orgs
<b>Infor Cloud Suite</b>	Industry-specific, cloud-based	Vertical industries (healthcare, etc.)
<b>NetSuite</b>	Cloud-native, quick setup	Midsize and growing businesses
<b>IFS</b>	Asset + service management	Utilities, aerospace, field ops
<b>Epicor</b>	Manufacturing focus	SMBs in manufacturing/distribution

## Oracle SQL PLUS configuration

SQL\*Plus: Release 21.0.0.0.0 - Production on Wed Jul 2 09:42:49 2025  
Version 21.3.0.0.0

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Enter user-name: / as sysdba

Connected to:

Oracle Database 21c Express Edition Release 21.0.0.0.0 - Production  
Version 21.3.0.0.0

SQL> select name from v\$pdb;

NAME

-----  
PDB\$SEED  
XEPDB1

SQL> connect sys/oracle@CSHAY-7420.oraclecorp.com:1521

ERROR:

ORA-12154: TNS:could not resolve the connect identifier specified

Warning: You are no longer connected to ORACLE.

SQL> connect sys/oracle@CSHAY-7420.oraclecorp.com:1521/XEPDB1 as sysdba;

ERROR:

ORA-12154: TNS:could not resolve the connect identifier specified

SQL> connect sys/2002@//DESKTOP-9FMC7QI:1521/XEPDB1 AS SYSDBA;

Connected.

SQL> create user demouser identified by demouser default tablespace user quota unlimited on users;

create user demouser identified by demouser default tablespace user quota unlimited on users

\*

ERROR at line 1:  
ORA-02155: invalid DEFAULT tablespace identifier

```
SQL> create user demouser identified by demouser default tablespace user quota unlimited on
users;
create user demouser identified by demouser default tablespace user quota unlimited on users
*
```

ERROR at line 1:  
ORA-02155: invalid DEFAULT tablespace identifier

```
SQL> SELECT tablespace_name FROM dba_tablespaces;
```

```
TABLESPACE_NAME
-----
SYSTEM
SYSAUX
UNDOTBS1
TEMP
USERS
```

```
SQL> CREATE USER demouser IDENTIFIED BY demouser DEFAULT TABLESPACE
USERS QUOTA UNLIMITED ON USERS;
```

User created.

```
SQL>
SQL> grant create session, create table to demouser;
```

Grant succeeded.

```
SQL> connect demouser/demouser@CSHAY-7420.oradev.oraclecorp.com:1521/XEPDB1;
ERROR:
ORA-12154: TNS:could not resolve the connect identifier specified
```

Warning: You are no longer connected to ORACLE.

```
SQL>
SQL>
SQL> connect demouser/demouser@CSHAY-7420.oradev.oraclecorp.com:1521/XEPDB1;
ERROR:
ORA-12154: TNS:could not resolve the connect identifier specified
```

```
SQL> connect demouser/demouser@//DESKTOP-9FMC7QI:1521/XEPDB1;
Connected.
SQL> CREATE TABLE TESTTABLE(TESTCOL NUMBER);
```

Table created.

```
SQL> INSERT INTO TESTTABLE VALUES(11111);
```

1 row created.

```
SQL> COMMIT;
```

Commit complete.

```
SQL> SELECT * FROM TESTTABLE;
```

TESTCOL
11111

```
SQL>
```