



UNIVERSITY OF DHAKA

Institute of Business Administration (IBA)

Master of Business Administration (MBA)

A501: Financial Accounting

Last Updated: Monday 28th April, 2025

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Definition and Characteristics: Accounting and Transaction

10-04-25 Thursday

Accounting is the systematic process of identifying, recording, classifying, summarizing, and communicating financial information to aid economic decision-making. It serves as the language of business and provides a framework for understanding a firm's financial position and performance.

Key Characteristics of Accounting:

- **Systematic:** Follows a standard process and principles (GAAP or IFRS).
- **Historical and Predictive:** Reflects past events and supports future planning.
- **Quantitative:** Concerned primarily with monetary information.
- **Reliable and Verifiable:** Based on evidence (e.g., invoices, receipts).
- **Comparable and Consistent:** Enables year-on-year or firm-to-firm comparison.

Example: A company sells a product for \$1,000. The sale is recorded in the accounting books under revenue (income), and cash or receivable is increased by \$1,000.

Transaction: Any business event that has a financial impact on the entity and can be reliably measured.

Characteristics of a Transaction:

- **Financial Impact:** Affects assets, liabilities, equity, income, or expenses.
- **Dual Aspect:** Every transaction has a debit and a credit effect.
- **Measurable in Money:** Must be quantifiable in monetary terms.

Example: Paying salary of \$5,000 – decreases cash (asset) and increases expense.

Examples: Is it a Transaction?

- **Purchased machinery for cash** – Yes, it affects assets (machinery and cash).
- **Signed a contract to deliver goods next month (no advance received)** – No, no financial impact yet.
- **Paid salaries to employees** – Yes, it reduces cash and increases expenses.
- **Owner invests capital into the business** – Yes, it increases assets and equity.
- **Employee promoted, no monetary change** – No, it is not measurable in monetary terms.
- **Received utility bill (not yet paid)** – Yes, it increases liabilities and expenses.
- **Customer places an order (no payment yet)** – No, it's a future event with no current financial effect.
- **Sold goods on credit** – Yes, it increases accounts receivable and revenue.
- **Declared dividend (not paid yet)** – Yes, it creates a liability.
- **Paid electricity bill** – Yes, it decreases cash and increases expense.
- **Depreciation of machinery recorded** – Yes, it increases expense and reduces asset value.

- **Appointed new auditor** – *No, unless fees are paid or accrued.*

Types of Accounting Reports and Their Uses

- **Income Statement (Profit & Loss Statement):** Shows revenues and expenses over a period; indicates profitability.
Use: Assess operational performance.
- **Balance Sheet (Statement of Financial Position):** Displays assets, liabilities, and owner's equity at a specific point in time.
Use: Understand financial position and solvency.
- **Cash Flow Statement (Statement of Cashflows):** Reports cash inflows and outflows from operating, investing, and financing activities.
Use: Monitor liquidity and cash management.
- **Statement of changes in Equity (Remained earned statement):** Explains changes in equity from investments, withdrawals, and retained earnings.
Use: Analyze changes in owner's interest in the firm.

Characteristics of Good Accounting Reports:

- **Relevance:** Information must aid decision-making.
- **Faithful Representation:** Complete, neutral, and free from error.
- **Understandability:** Clear presentation for users.
- **Comparability:** Allows evaluation across periods and entities.
- **Timeliness:** Provided in time to be useful.

Users of Accounting Information

- **Internal Users:**
 - Managers – for planning and control.
 - Employees – job security and performance.
 - Owners – profit evaluation.
- **External Users:**
 - Investors – profitability and risk analysis.
 - Creditors – repayment ability.
 - Government – taxation and regulatory compliance.
 - Customers – supplier stability.
 - Regulatory Bodies – ensure legal conformity.

Examples of Elements in Accounting :

Category	Examples
Assets	Cash, Bank Balance, Accounts Receivable, Inventory, Prepaid Insurance, Office Supplies, Furniture, Equipment, Buildings, Land, Vehicles, Patents, Copyrights, Trademarks, Goodwill, Long-term Investments, Marketable Securities
Liabilities	Accounts Payable, Notes Payable, Accrued Expenses (e.g., Wages Payable, Interest Payable), Unearned Revenue, Loans Payable, Bonds Payable, Taxes Payable, Deferred Revenue, Lease Obligations, Credit Card Payable, Mortgage Payable
Owner's Equity	Capital, Retained Earnings, Drawings, Owner's Contributions, Common Stock, Preferred Stock, Additional Paid-in Capital, Treasury Stock, Accumulated Other Comprehensive Income
Income (Revenue)	Sales Revenue, Service Revenue, Interest Income, Rental Income, Commission Revenue, Dividend Income, Consulting Revenue, Royalties Earned, Investment Income, Subscription Revenue, Gain on Sale of Asset, Foreign Exchange Gain
Expenses	Salaries and Wages Expense, Rent Expense, Utilities Expense, Insurance Expense, Depreciation Expense, Amortization Expense, Interest Expense, Advertising Expense, Supplies Expense, Repairs and Maintenance Expense, Legal Fees, Audit Fees, Delivery Expense, Telephone Expense, Training Expense, Bad Debts Expense, Loss on Disposal of Asset

Sub-types of Owner's Equity:

Type	Definition	Example
Share Capital	Amount invested by shareholders in exchange for shares of ownership.	An investor purchases 1,000 shares of a company at \$10 each; \$10,000 is recorded as share capital.
Retained Earnings	Portion of net income retained in the business after dividends are paid.	A company earns \$50,000 profit and pays \$10,000 in dividends; \$40,000 is retained earnings.

Types of Revenue and Expenses:

- **Revenue:**
 - **Sales Revenue** – Income from selling goods (e.g., merchandise sales by a retailer).
 - **Service Revenue** – Income from providing services (e.g., consulting fees, legal services).
- **Operating Expenses:**
 - Rent Expense
 - Salaries and Wages
 - Utilities Expense
 - Insurance Expense
 - Advertising Expense

- Depreciation and Amortization
- Repairs and Maintenance
- Office Supplies
- **Non-Operating Income:**
 - Interest Income
 - Dividend Income
 - Gain on Sale of Assets
 - Rental Income (if not core business)
 - Foreign Exchange Gain

Types of Business Entities and Comparison:

Criteria	Proprietorship	Partnership	Company (Corporation)
Ownership	Single individual	2 - 20 partners	2 - unlimited Shareholders
Legal Identity	No separate legal entity	Not a separate legal entity (except LLP)	Separate legal entity
Liability	Unlimited liability	Unlimited (except LLP)	Limited to shareholding
Capital Source	Personal funds	Partner contributions	Share issuance, retained earnings
Regulation	Minimal legal formalities	Moderate regulation	Heavily regulated by company laws
Continuity	Ends on owner's death or withdrawal	Ends on partner exit (unless reconstituted)	Perpetual succession
Taxation	Taxed as personal income	Taxed as personal income of partners	Separate entity, corporate tax applies

Standard Accounting Reports with Examples

17-04-25 Thursday

Standard Accounting Reports with Examples:

- 1. Income Statement (Profit and Loss Statement):

Particulars	Amount (USD)
Sales Revenue	120,000
Less: Cost of Goods Sold (COGS)	70,000
Gross Profit¹	50,000
Less: Operating Expenses	25,000
Net Operating Income²	25,000
Add: Non-operating Income (Interest Income)	3,000
Less: Interest Expense	2,000
Profit Before Tax (PBT)³	26,000
Less: Income Tax Expense	6,000
Net Income⁴	20,000

- 2. Balance Sheet (as of a specific date):

Assets	Liabilities	Owner's Equity
Cash: 15,000 Accounts Receivable: 10,000 Inventory: 25,000 Equipment: 35,000	Accounts Payable: 20,000 Bank Loan: 30,000	Capital: 10,000 Retained Earnings: 15,000
Total: 85,000	Total: 50,000	Total: 35,000

- 3. Cash Flow Statement:

Cash Flows from Operating Activities	Amount (USD)
Cash received from customers	110,000
Cash paid for operating expenses	(80,000)
Net Cash from Operating Activities	30,000
Cash Flows from Investing Activities	
Purchase of equipment	(20,000)
Net Cash from Investing Activities	(20,000)
Cash Flows from Financing Activities	
Proceeds from bank loan	10,000
Owner capital contribution	5,000
Net Cash from Financing Activities	15,000
Net Increase in Cash	25,000

- 4. Statement of Owner's Equity:

¹Also known as: Gross Margin

²Also known as: Operating Profit, EBIT (Earnings Before Interest and Tax)

³Also known as: Earnings Before Tax (EBT)

⁴Also known as: Net Profit, Net Earnings, Bottom Line

Particulars	Amount (USD)
Beginning Capital	30,000
Add: Owner Contribution	5,000
Less: Owner Withdrawals	(10,000)
Add: Net Profit	20,000
Less: Divident	(10,000)
Ending Capital	35,000

Question

Sakiful Alam and Aziz Khan opened a web consulting business called **Money Laundering Services Pvt. Ltd.** and completed the following transactions in its first month of operations:

- **June 1:** Alam and Khan invested BDT 80,000 cash along with office equipment valued at BDT 26,000 in the company.
- **June 2:** The company prepaid BDT 9,000 cash for 12 months' rent for office space. (*Hint: Debit Prepaid Rent for BDT 9,000*)
- **June 3:** The company made credit purchases for BDT 8,000 in office equipment and BDT 3,600 in office supplies. Payment is due within 10 days.
- **June 6:** The company completed services for a client and immediately received BDT 4,000 cash.
- **June 9:** The company completed a BDT 6,000 project for a client, who must pay within 30 days.
- **June 13:** The company paid BDT 11,600 cash to settle the account payable created on June 3.
- **June 19:** The company paid BDT 2,400 cash for the premium on a 12-month insurance policy. (*Hint: It is prepayment*)
- **June 22:** The company received BDT 4,400 cash as partial payment for the work completed on June 9.
- **June 25:** The company completed work for another client for BDT 2,890 on credit.
- **June 28:** The company gave BDT 5,500 to Alam and Sakiful in cash as dividends.
- **June 29:** The company purchased BDT 600 of additional office supplies on credit.
- **June 30:** The company paid BDT 435 cash for this month's utility bill.

Balance Sheet of Money Laundering Services Pvt. Ltd.
As at June 30, 2025

Assets	Liabilities and Owner's Equity
Current Assets Cash BDT 66,465 Accounts Receivable BDT 4,490 Office Supplies BDT 4,200 Prepaid Rent BDT 9,000 Prepaid Insurance BDT 2,400	Current Liabilities Accounts Payable BDT 600
Non-current Assets Office Equipment BDT 60,000	Owner's Equity Owner Capital BDT 106,000 Retained Earnings BDT 39,955
Total Assets BDT 146,555	Total Liabilities and Equity BDT 146,555

Clarification Notes:

Cash (BDT 66,465):

- Initial investment: BDT 80,000
- Service revenue (June 6): BDT 4,000
- Partial payment from client (June 22): BDT 4,400
- Prepaid rent (June 2): BDT (9,000)
- Payment for June 3 purchases: BDT (11,600)
- Prepaid insurance (June 19): BDT (2,400)
- Dividends (June 28): BDT (5,500)
- Utilities expense (June 30): BDT (435)

Office Equipment (BDT 34,000):

- Initial contribution: BDT 26,000
- Purchased on credit (June 3): BDT 8,000

Office Supplies (BDT 4,200):

- Purchased (June 3): BDT 3,600
- Purchased (June 29): BDT 600

Prepaid Rent (BDT 9,000):

- Paid in advance for 12 months (June 2)

Prepaid Insurance (BDT 2,400):

- 12-month insurance premium paid (June 19)

Accounts Receivable (BDT 4,490):

- Service provided (June 9): BDT 6,000
- Service provided (June 25): BDT 2,890
- Partial collection (June 22): BDT (4,400)

Accounts Payable (BDT 600):

- Equipment purchased (June 3): BDT 8,000
- Supplies purchased (June 3): BDT 3,600
- Payment made (June 13): BDT (11,600)
- Supplies purchased (June 29): BDT 600

Owner Capital (BDT 106,000):

- Cash invested: BDT 80,000
- Equipment invested: BDT 26,000

Retained Earnings (BDT 6,955):

- Total Revenue: BDT 12,890
- Total Expenses & Dividends: BDT (5,935)
- Net Income: BDT 6,955

Double Entry System and Debit-Credit Rules

23-04-2025 Wednesday

Double Entry System:

- Every transaction affects at least two accounts.
- Based on the accounting equation: **Assets = Liabilities + Owner's Equity**.
- Ensures accounting records are balanced.
- Promotes accuracy and reduces fraud through self-checking mechanisms.

Key Characteristics:

- **Dual Aspect:** Every transaction has a dual effect — one debit and one credit.
- **Balance Maintenance:** Total debits always equal total credits.
- **Scientific Recording:** Systematic, chronological, and consistent.
- **Error Detection:** Helps locate posting and recording errors.

Debit-Credit Rules for Accounting Elements:

Account Type	Increase (Dr/Cr)	Decrease (Dr/Cr)
Assets	Debit	Credit
Liabilities	Credit	Debit
Owner's Equity	Credit	Debit
Revenue	Credit	Debit
Expenses	Debit	Credit
Dividends	Debit	Credit

Writing Conventions for Debit-Credit Sheets:

- **Left side (Debit):** Inflows, asset acquisition, expense recognition, or owner withdrawals.
- **Right side (Credit):** Outflows, liabilities incurred, revenue earned, or capital added.
- **Format:** Traditional T-account — left side for debit entries and right side for credit entries.
- **Chronological Entry:** Transactions are recorded in the order they occur.
- **Narration:** Brief explanation is provided under the entry for clarity.

Question

On January 1, 2025, Mr. Tanvir started a business named **Tanvir Traders**. The following transactions occurred during January:

- Jan 1: Invested BDT 100,000 cash and BDT 50,000 worth of furniture.
- Jan 3: Purchased goods for BDT 30,000 in cash.
- Jan 5: Sold goods for BDT 20,000 on credit.
- Jan 10: Paid salaries BDT 5,000.
- Jan 12: Received BDT 15,000 from customers.
- Jan 15: Paid BDT 3,000 for rent.
- Jan 20: Purchased goods on credit for BDT 10,000.
- Jan 25: Sold goods for BDT 12,000 in cash.
- Jan 28: Withdrew BDT 2,000 for personal use.

Journal Entries

Date	Particulars	Debit (BDT)	Credit (BDT)
Jan 1	Cash A/C Dr. Furniture A/C Dr. To Capital A/C	100,000 50,000	150,000
Jan 3	Purchase A/C Dr. To Cash A/C	30,000	30,000
Jan 5	Accounts Receivable A/C Dr. To Sales A/C	20,000	20,000
Jan 10	Salary Expense A/C Dr. To Cash A/C	5,000	5,000
Jan 12	Cash A/C Dr. To Accounts Receivable A/C	15,000	15,000
Jan 15	Rent Expense A/C Dr. To Cash A/C	3,000	3,000
Jan 20	Purchase A/C Dr. To Accounts Payable A/C	10,000	10,000
Jan 25	Cash A/C Dr. To Sales A/C	12,000	12,000
Jan 28	Drawings A/C Dr. To Cash A/C	2,000	2,000

Ledger Accounts for June Transactions**Cash Account**

Date	Particulars	Debit (BDT)	Credit (BDT)
June 1	Owner's Capital	80,000	
June 6	Service Revenue	4,000	
June 22	Accounts Receivable	4,400	
June 2	Prepaid Rent		9,000
June 13	Accounts Payable		11,600
June 19	Prepaid Insurance		2,400
June 28	Dividends		5,500
June 30	Utilities Expense		435
Total		88,400	28,935

Office Equipment Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 1	Owner's Capital	26,000	
June 3	Accounts Payable	8,000	
Total		34,000	

Office Supplies Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 3	Accounts Payable	3,600	
June 29	Accounts Payable	600	
Total		4,200	

Prepaid Rent Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 2	Cash	9,000	

Prepaid Insurance Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 19	Cash	2,400	

Accounts Receivable Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 9	Service Revenue	6,000	
June 25	Service Revenue	2,890	
June 22	Cash		4,400
Total		8,890	4,400

Accounts Payable Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 13	Cash	11,600	
June 3	Office Equipment		8,000
June 3	Office Supplies		3,600
June 29	Office Supplies		600
Total		11,600	12,200

Service Revenue Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 6	Cash		4,000
June 9	Accounts Receivable		6,000
June 25	Accounts Receivable		2,890
Total			12,890

Dividends Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 28	Cash	5,500	

Utilities Expense Account

Date	Particulars	Debit (BDT)	Credit (BDT)
June 30	Cash	435	

Journal & Ledger

28-04-2025 Monday

Effects on Shared Capital (SC) and Retained Earnings (RE):

- **Additional Investment:**
 - SC: Increases (Positive Impact)
 - RE: No direct impact
- **Net Income:**
 - RE: Increases (Positive Impact)
 - SC: No direct impact
- **Dividends Paid:**
 - RE: Decreases (Negative Impact)
 - SC: No direct impact

Relations between Net Income, Revenue, and Expenses:

- **Net Income (NI) Formula:**

$$\text{Net Income} = \text{Total Revenue} - \text{Total Expenses}$$

- **Revenue:** Increases Net Income (Positive Relationship)
- **Expenses:** Decreases Net Income (Negative Relationship)

Impact of Expenses on Retained Earnings:

- Higher expenses lower Net Income.
- Lower Net Income results in a lower addition to Retained Earnings.
- Thus, **Expenses indirectly reduce Retained Earnings.**

Summary Table

Event	Impact on SC	Impact on RE
Additional Investment	Increase (+)	No impact
Net Income	No impact	Increase (+)
Dividends	No impact	Decrease (–)
Revenue Earned	No direct impact	Increase (via Net Income)
Expenses Incurred	No direct impact	Decrease (via Net Income)

Question

Prepare the Journal Entries for the following transactions:

- Nov 4: John Smith, the major shareholder of real estate company, received 121,000 cash from an inheritance.
- Nov 5: Smith deposited 61,000 cash in a new business bank account titled Smith Real Estate Co. The business issued ordinary shares to Smith.
- Nov 6: The business paid 700 cash for letterhead stationery for the new office.
- Nov 7: The business purchased office equipment. The company paid cash of 13,500 and agreed to pay the account payable for the remainder, 7,500, within three months.
- Nov 10: Smith sold DLD shares, which he owned for several years, receiving 68,000 cash from his stockbroker.
- Nov 11: Smith deposited the 68,000 cash from sale of the DLD shares in his personal bank account.
- Nov 12: A representative of a large company telephoned Smith and told him of the company's intention to transfer 13,000 of business to Smith.
- Nov 18: Smith finished a real estate deal for a client and submitted his bill for services, 5,000. Smith expects to collect from the client within two weeks.
- Nov 21: The business paid half its account payable for the equipment purchased on November 7.
- Nov 25: The business paid office rent of 700.
- Nov 30: The business declared and paid a cash dividend of 2,000.

Answer

Journal Entries:

Date	Account Titles and Explanation	Debit	Credit
Nov 5	Cash Ordinary Share Capital	61,000	61,000
Nov 6	Office Supplies (Stationery) Cash	700	700
Nov 7	Office Equipment Cash Accounts Payable	21,000	13,500 7,500
Nov 18	Accounts Receivable Service Revenue	5,000	5,000
Nov 21	Accounts Payable Cash	3,750	3,750
Nov 25	Rent Expense Cash	700	700
Nov 30	Dividends Cash	2,000	2,000

Important Clarifications:

- **November 4 and November 10-11:** These involve John Smith's personal transactions, hence no journal entry is needed for the business.
- **November 12:** Only a telephone conversation happened; no journal entry recorded.

Journalize, Post to Ledger, and Prepare Trial Balance

28-04-2025 Monday

Problem:

S. Alam and Aziz Khan opened a web consulting business called **Money Laundering Services Pvt. Ltd.** and completed the following transactions:

- June 1: Invested cash BDT 80,000 and office equipment BDT 26,000, issuing common stock.
- June 2: Prepaid BDT 9,000 rent.
- June 3: Purchased office equipment (BDT 8,000) and office supplies (BDT 3,600) on credit.
- June 6: Completed services for BDT 4,000 cash.
- June 9: Completed services for BDT 6,000 on credit.
- June 13: Paid BDT 11,600 cash to settle accounts payable.
- June 19: Paid BDT 2,400 cash for prepaid insurance.
- June 22: Received BDT 4,400 as partial payment from client.
- June 25: Completed services for BDT 2,890 on credit.
- June 28: Paid BDT 5,500 cash as dividends.
- June 29: Purchased BDT 600 office supplies on credit.
- June 30: Paid BDT 435 cash for utilities.
- June 30: Hired employee, salary of BDT 1,500 due in August (accrued salary).

Journal Entries:

Date	Account Titles and Explanation	Debit	Credit
June 1	Cash Office Equipment Common Stock (Investment of cash and equipment for shares)	80,000 26,000	106,000
June 2	Prepaid Rent Cash (Payment for 12 months' rent)	9,000	9,000
June 3	Office Equipment Office Supplies Accounts Payable (Credit purchase of equipment and supplies)	8,000 3,600	11,600
June 6	Cash Service Revenue (Cash services completed)	4,000	4,000
June 9	Accounts Receivable Service Revenue (Services completed on account)	6,000	6,000
June 13	Accounts Payable Cash (Paid accounts payable)	11,600	11,600
June 19	Prepaid Insurance Cash (Payment for insurance policy)	2,400	2,400
June 22	Cash Accounts Receivable (Partial collection from client)	4,400	4,400
June 25	Accounts Receivable Service Revenue (Services completed on account)	2,890	2,890
June 28	Dividends Cash (Payment of dividends)	5,500	5,500
June 29	Office Supplies Accounts Payable (Purchase of additional office supplies)	600	600
June 30	Utilities Expense Cash (Paid for utilities)	435	435
June 30	Salaries Expense Salaries Payable (Accrued salary for June)	1,500	1,500

Ledger Accounts:

Cash

Debit	Credit
80,000	9,000 (Prepaid Rent)
4,000	11,600 (Payables)
4,400	2,400 (Prepaid Insurance)
	5,500 (Dividends)
	435 (Utilities)

Common Stock

Debit	Credit
	106,000 (Investment)

Office Equipment

Debit	Credit
26,000	
8,000	

Office Supplies

Debit	Credit
3,600	
600	

Prepaid Rent

9,000	
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Prepaid Insurance

2,400	
-------	--

Accounts Payable

Debit	Credit
11,600 (Paid)	11,600 (Purchase)
	600 (Supplies Purchase)

Service Revenue

Debit	Credit
	4,000
	6,000
	2,890

Accounts Receivable

Debit	Credit
6,000	4,400
2,890	

Dividends

5,500	
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Utilities Expense

435	
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Salaries Expense

1,500	
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Salaries Payable

	1,500
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Trial Balance as of June 30, 2025:

Account Title	Debit	Credit
Cash	66,465	
Accounts Receivable	4,490	
Office Supplies	4,200	
Prepaid Rent	9,000	
Prepaid Insurance	2,400	
Office Equipment	34,000	
Accounts Payable		600
Salaries Payable		1,500
Common Stock		106,000
Dividends	5,500	
Service Revenue		12,890
Utilities Expense	435	
Salaries Expense	1,500	
Total	128,990	128,990