**Computer Network Lab**



**Lab Task 2**

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**Task 1:**

The Cisco 2911 router is used because:

1. Modularity: It allows adding extra modules like WAN and network interface cards.
2. Enterprise-grade: Designed for larger networks, offering high performance.
3. Security: Supports VPNs and firewalls for secure setups.
4. Common in labs: It’s often included in tools like Packet Tracer for practical learning.

This makes it versatile and suitable for learning complex networks.

**Task 2:**

The Cisco 2950T or 2960 switches are used because:

1. Basic Layer 2 Switching: Both are excellent for learning fundamental switch operations like VLANs and trunking.
2. Cost-effective: These models are commonly available in labs due to their affordability and reliability.
3. Common in education: They provide enough features for typical lab exercises without overcomplicating things.
4. Stable performance: They offer stable performance for small to medium-sized networks.

These switches are perfect for educational purposes and basic network setups.

**Task no: 3**

