**Assignment 02**

**Submitted To:**

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**Roll No:**

**BSIT(M2)-20-24**

**Semester:**

**4th**

**Subject:**

**Operating System**

# Difference between Storage Devices:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| External Hard Drive | Flash Memory Device | Floppy Drive | Optical Storage Device | Solid-State Drive |
| Lowest cost per GB | Lowest cost per GB | Lower Cost | Lowest cost | Most Expensive  Start at around $100 |
| Offer up to 6TB Space | Offer up to 1TB  Space | have the capacity of 800 KB to 2.8 MB | Single-layer DVDs can hold 4.7 GB | SSDs for computers are available in 120GB to 30.72TB |
| Easy to Connect | Easy to Connect | Use extra hardware to connect | Use extra hardware to connect | Dose not use extra hardware to connect |
| It can be easily replaced | It can be easily replaced | Not Easy to replace | Not Easy to replace | Not Easy to replace |
| High Speed  up to 150 MB per second | Write speed of 60 MB/S and read speed of 120 MB/S | Very slow  speed | Speed of 200 milliseconds (ms) to as low as 80ms | Offer speeds of 500 MB/s |
| Easy to place it anywhere | You can take it anywhere | Easy to place it anywhere | You can take it anywhere | Not easy to remove |
| Can be used and formatted like an internal drive | Can be used and formatted like an internal drive | Can be used and formatted like an internal drive | Can’t be formatted Easily | Can’t be formatted Easily |
| Can break easily | Cannot break easily | Can break easily | Can break easily | Cannot break easily |
| Easy to steal | Easy to steal | Easy to steal | Easy to steal | Not Easy to Steal |
| Accidentally interrupt | There is no issue of interruption | There is no issue of interruption | There is no issue of interruption | There is no issue of interruption |
| It uses exterior cabling and power adapters | Does not use exterior cabling and power adapters | Does not use exterior cabling and power adapters | Does not use exterior cabling and power adapters | Does not use exterior cabling and power adapters |
| Some Drives can overheat | It cannot overheat | Can overheat | It cannot overheat | Some Drives can overheat |