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| **SLO No** | 9.2.2 |
| **SLOs Mapped** | 8.3.2, 9.1.1,9.1.2,9.1.3,9.1.5,9.2.2,9.2.3,9.2.4 |
| **Practical Activity** | To find acceleration of a moving object with given mass and the force applied |
| **Equipment** | Computer |
| **Software** | Dev C++ |

**Practical No :9**

Topic 9: Fundamental of input and output data handling in C

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| **Objective:** |
| Students will be able to   * use the arithmetic operators and input output data handling in C language to solve the given arithmetic problem.   Note: You can use any compiler for program execution. |

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| **Sample Input** | **Process** | **Sample Output** |
| force = 50  mass = 20 | Acceleration = force / mass | Acceleration = 2.5 |

**Fill the sections below as evidence of the practical activity**

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| --- | --- |
| **Algorithm** | **Flowchart** |
| Step 1:Start  Step 2:Input f,m  Step 3: A=f/m  Step 4:Print A  Step 5:Stop |  |

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| **Program Coding** |
| **#include<stdio.h>**  **int main()**  **{**  **int f,m;**  **float A:**  **printf("Force: ");**  **scanf("%d", &f);**  **printf("Mass: ");**  **scanf("%d", &m);**  **A=(float)f/m;**  **printf("Acceleration=%f", A);**  **return 0;**  **}** |
| **Program Output** |
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