**SVKM’s NMIMS**

**Mukesh Patel School of Technology Management and Engineering, Mumbai**

**Department of Electronics & Telecommunication**



**Programming for Problem Solving (Exp 1-1)**

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| **Program: B. Tech Data Science (1st)** | **Batch: J1** |
| **Date of Experiment: 03/10/2022** | **Date of Submission: 03/10/2022** |

**Task 1:**

**Algorithm:**

**Step 1:** Start

**Step 2:** Initialize variable wallet to 500, Mprice to 50,

Mquant to 2, Tprice to 10, Tquant to 2.5, Cprice

to 35, Cquant to 1.5

**Step 3:** wallet=500-

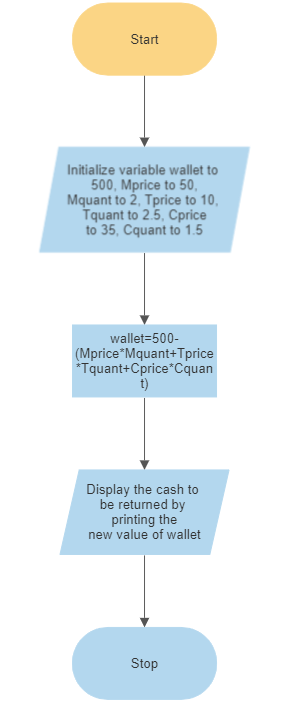
(Mprice\*Mquant+Tprice\*Tquant+Cprice\*Cquant)

**Step 4:** Display the cash to be returned by printing the

new value of wallet

**Step 5:** Stop

**Flowchart:**

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**Task 2:**

**Algorithm:**

**Step 1:** Start

**Step 2:** Take input for X after declaring it of int

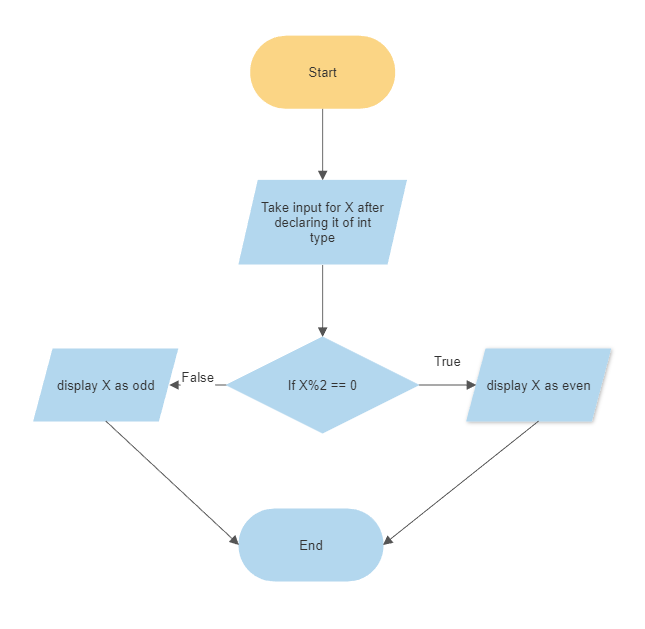
Type

**Step 3:** If X%2 is equal to 0, display X as even,

else display as odd

**Step 4:** Stop

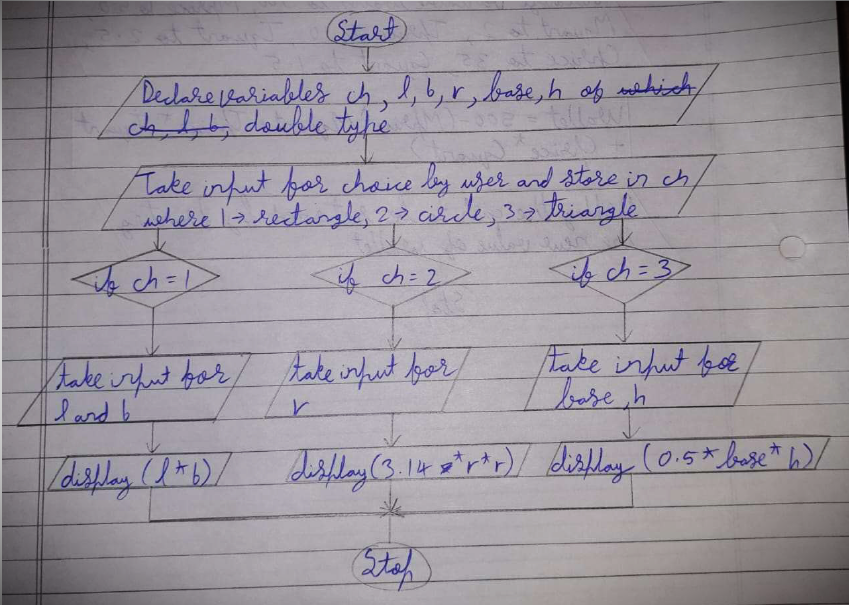
**Flowchart:**

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**Task 3:**

Variables used ch,l,b,r,base,h of double type

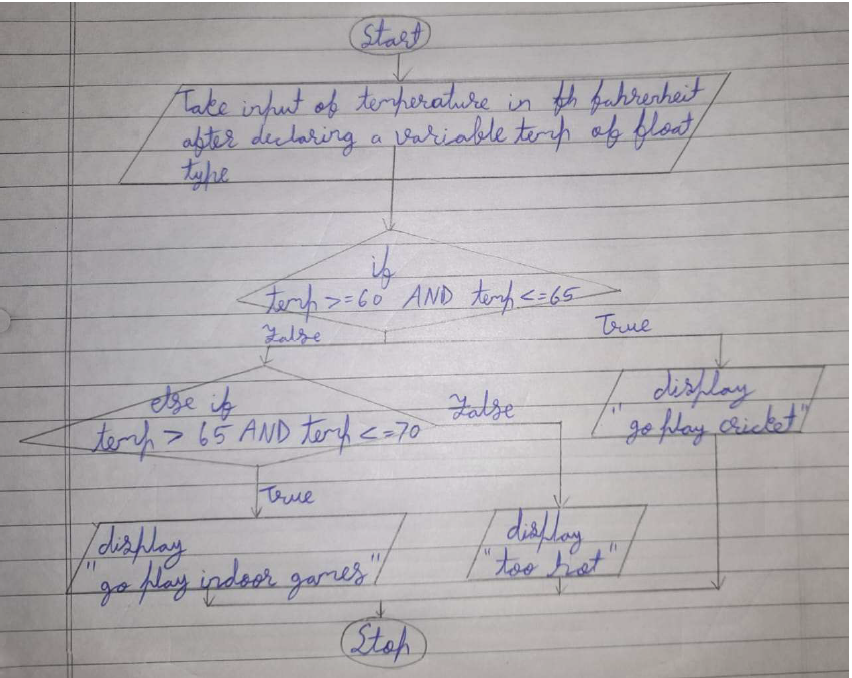
**Flowchart:**

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Dry run: for radius 6 units, area of circle=3.14\*3.14\*6=59.1576 sq units

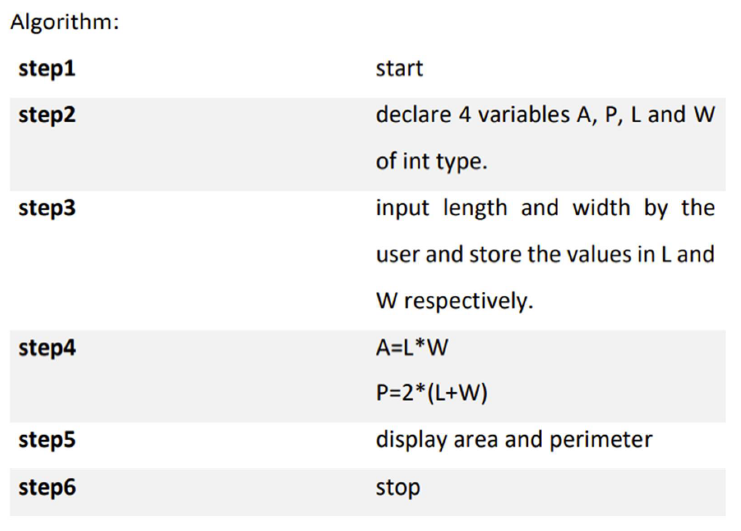
**Task 4:**

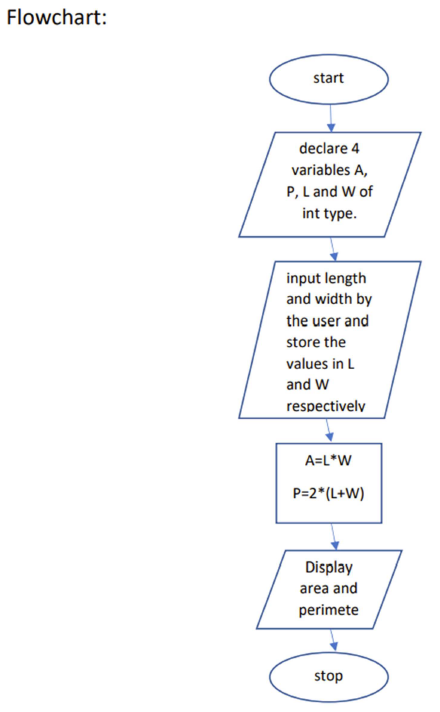
**Flowchart:**

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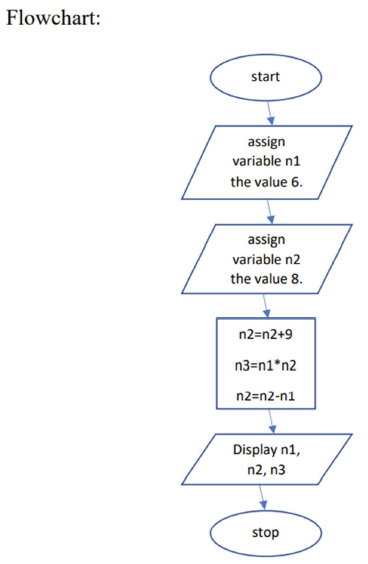
**Homework Questions:**

**1.**

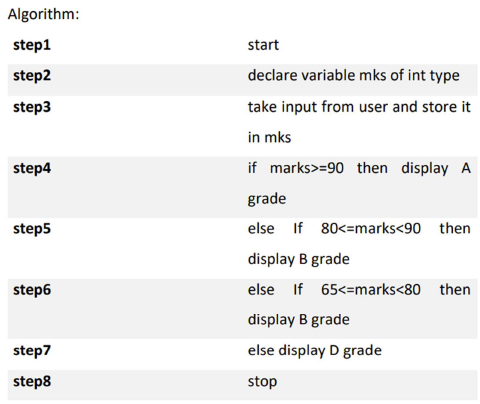
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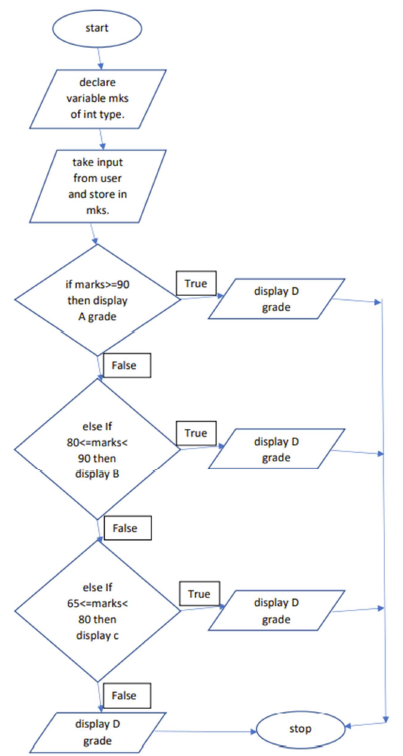
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**2.**

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**3.**

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