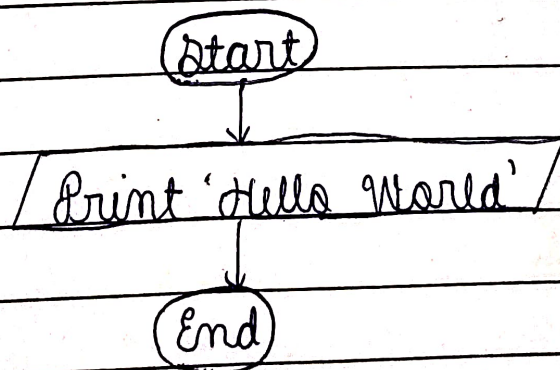## Exp - 1

Q.1. Write a program to print 'Hello World'.

→
```
#include <stdio.h>
int main ()
{
    printf ("Hello World");
    return 0;
}
```

- **Algorithm**

1) Start
2) Display "Hello World".
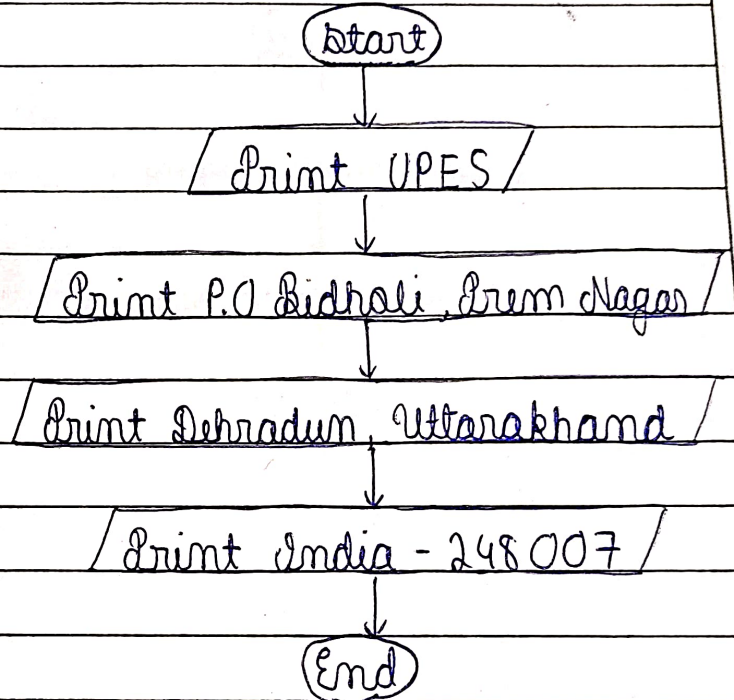3) End

- **Flow Chart**

Q.2. Write a C program to print the address in multiple lines.

→ Algorithm   • Flow Chart

1) Start
2) Print 1st line of address
3) Print 2nd line of address
4) Print 3rd line of address
5) End

Flow chart:
- start
- Print UPES
- Print P.O Bidholi, Prem Nagar
- Print Dehradun, Uttarakhand
- Print India - 248007
- End

•
```c
#include <stdio.h>
int main ()
{
    printf (" UPES");
    printf (" P.O Bidholi, Prem Nagar ");
    printf (" Dehradun, Uttarakhand ");
    printf (" India - 248007 ");
    return 0;
}
```
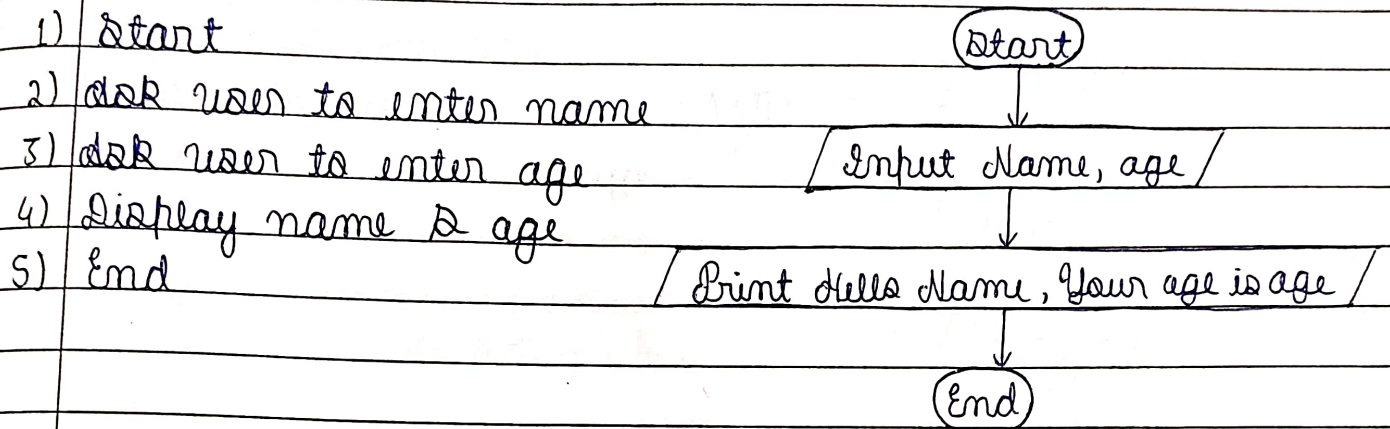
Teacher's Signature : _____

Q.3. Write a program that prompts the user to enter their name and age.

→ Algorithm   • Flow Chart

1) Start
2) Ask user to enter name
3) Ask user to enter age
4) Display name & age
5) End

```
#include <stdio.h>
int main ()
{
    char name [50];
    int age;
    printf ("Enter your name");
    scanf (" %s", name);
    printf ("Enter your age");
    scanf ("%d", age);
    printf (" Your name is %s, Your age is %d, name, age);
    return 0;
}
```
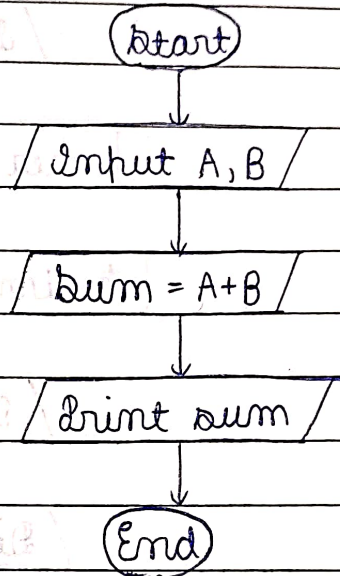
Q.4. Write a C program to add two numbers.

→ algorithm   • Flow Chart

1) Start
2) Input two numbers
3) Add both numbers (Sum = A+B)
4) Print sum
5) End

```
(Start)
   ↓
/ Input A,B /
   ↓
/ Sum = A+B /
   ↓
/ Print sum /
   ↓
(End)
```

•
```c
#include <stdio.h>
int main ()
{
    int A, B, sum;
    printf ("Enter two numbers");
    scanf ("%d %d", &A, &B);
    sum = A+B;
    printf ("sum : %d", sum);
    return 0;
}
```