

EXPERIMENT 1 : STARTING WITH C

Activity 1: Write a C program to print “Hello World”.

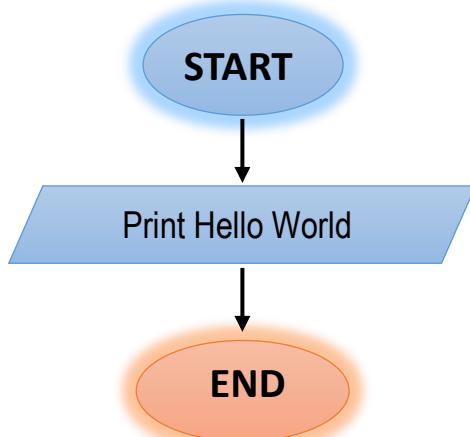
ALGORITHM:

STEP 1: Start

STEP 2: Print Hello World

STEP 3 : Stop

FLOWCHART :



PSEUDOCODE :

```
START  
print "Hello World"  
END
```

CODE :

```
#include<stdio.h>

int main(){
    printf("Hello World");
    return 0;
}
```

OUTPUT :

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
PS C:\Users\Lenovo\Downloads\C programming> cd "c:\Users\Lenovo\Downloads\C programming\EXP1\" ; if ($?) { gcc hello.c -o hello } ; if ($?) { .\hello }
Hello World
PS C:\Users\Lenovo\Downloads\C programming\EXP1>
```

Activity 2: Write C program to print the address in multiple lines (new line).

ALGORITHM:

STEP 1: Start

STEP 2: print 108

STEP 3: print Golden Estate

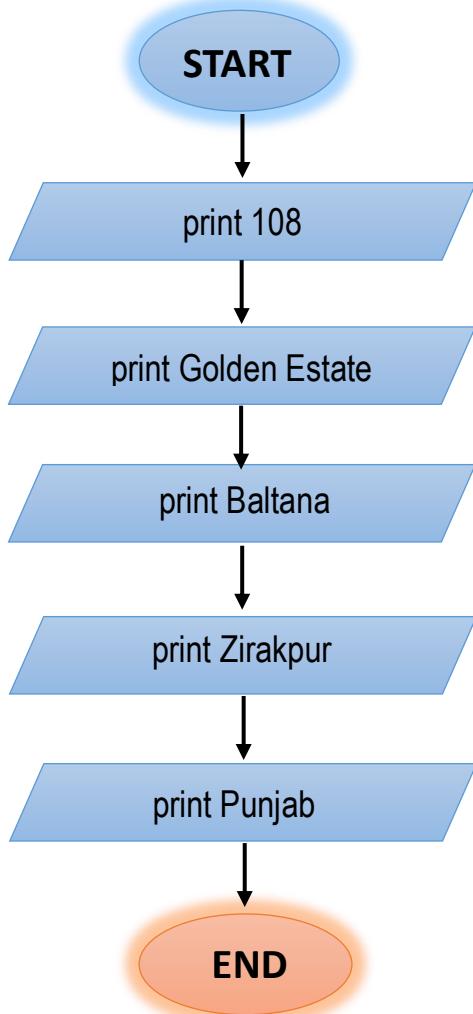
STEP 4: print Baltana

STEP 5: print Zirakpur

STEP 6: print Punjab

STEP 7: Stop

FLOWCHART :



PSEUDOCODE :

```
START
print "108"
print "Golden Estate"
print "Baltana"
print "Zirakpur"
print "Punjab"
END
```

CODE :

```
#include <stdio.h>

int main() {
    printf("108\n");
    printf("Golden Estate\n");
    printf("Baltana\n");
    printf("Zirakpur\n");
    printf("Punjab\n");
    return 0;
}
```

OUTPUT:

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Lenovo\Downloads\C programming> cd "c:\Users\Lenovo\Downloads\C programming\EXP1\" ; if (\$?) { gcc address.c -o address } ; if (\$?) { .\address }

108
Golden Estate
Baltana
Zirakpur
Punjab

PS C:\Users\Lenovo\Downloads\C programming\EXP1>

Activity 3: Write a program that prompts the user to enter his name name and age.

ALGORITHM :

Step 1: Start

Step 2: Declare variables name and age

Step 3: print Enter your name:

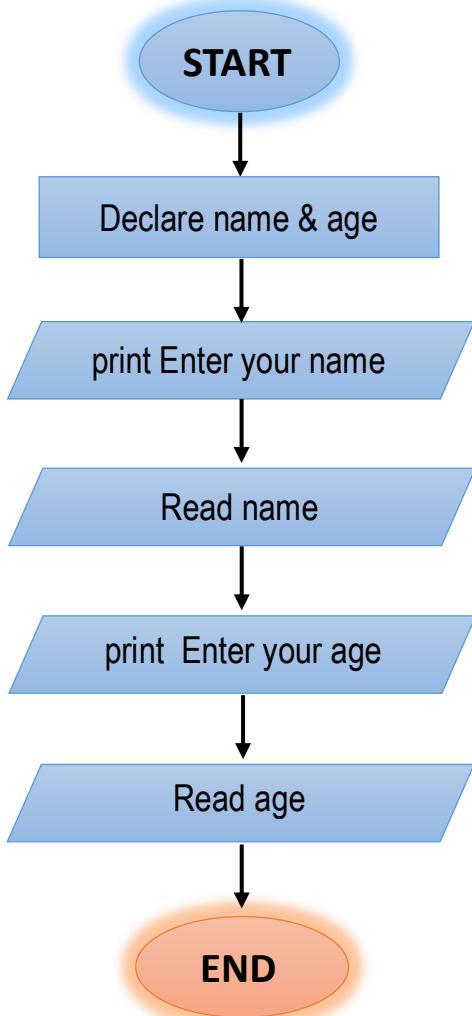
Step 4: read name

Step 5: print Enter your age:

Step 6: read age

Step 7: Stop

FLOWCHART :



PSEUDOCODE :

```
START  
declare name as string  
declare age as integer
```

```

print "Enter your name: "
input name

print "Enter your age: "
input age

END

```

CODE :

```

#include <stdio.h>

int main() {
    char name[50];
    int age;

    printf("Enter your name: ");
    scanf("%s", name);

    printf("Enter your age: ");
    scanf("%d", &age);

    return 0;
}

```

OUTPUT :

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```

PS C:\Users\Lenovo\Downloads\C programming\EXP1> cd "c:\Users\Lenovo\Downloads\C programming\EXP1\" ; if ($?) { gcc INPUT.c -o INPUT } ; if ($?) { .\INPUT }
Enter your name: Vivek
Enter your age: 19
PS C:\Users\Lenovo\Downloads\C programming\EXP1>

```

Activity 4: Write a C program to add two numbers take the numbers from user.

ALGORITHM :

Step 1: Start

Step 2: Declare variables num1, num2

Step 3: print "Enter first number:"

Step 4: input num1

Step 5: print "Enter second number:"

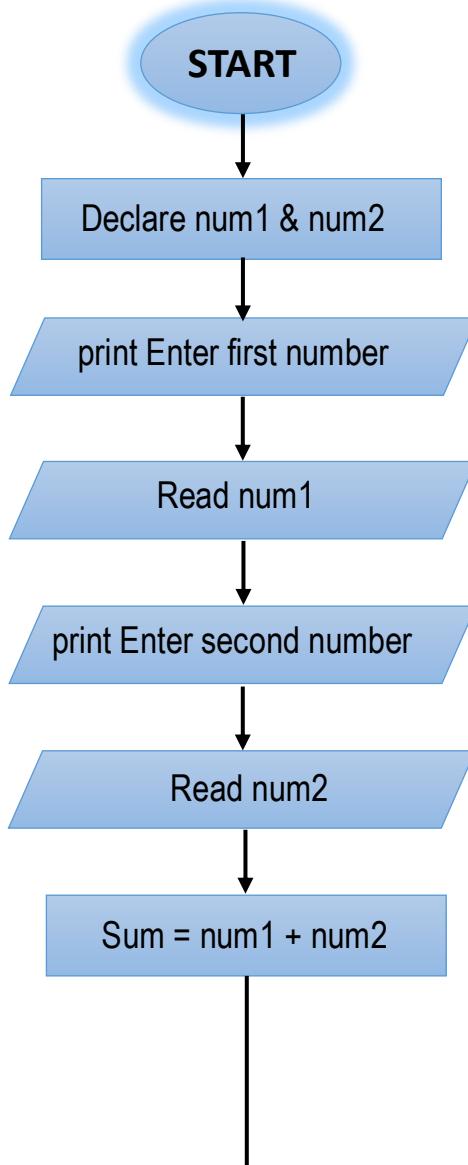
Step 6: input num2

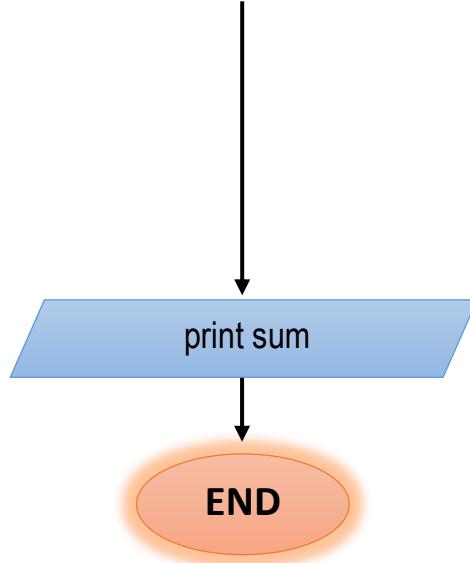
Step 7: sum = num1 + num2

Step 8: print sum

Step 9: Stop

FLOWCHART :





PSEUDOCODE :

```
START

declare num1, num2, sum AS integer

print "Enter first number: "
input num1

print "Enter second number: "
input num2

sum ← num1 + num2

print "Sum = ", sum

END
```

CODE :

```
#include <stdio.h>

int main() {
    int num1, num2, sum;

    printf("Enter first number: ");
    scanf("%d", &num1);
```

```
printf("Enter second number: ");
scanf("%d", &num2);

sum = num1 + num2;

printf("Sum = %d\n", sum);

return 0;
}
```

OUTPUT :

The screenshot shows a terminal window with the following content:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Lenovo\Downloads\C programming> cd "c:\Users\Lenovo\Downloads\C programming\EXP1\" ; if ($?) { gcc sum.c -o sum } ; if ($?) { .\sum }
Enter first number: 67
Enter second number: -46
Sum = 21
PS C:\Users\Lenovo\Downloads\C programming\EXP1>
```

The terminal window has tabs at the top: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS. To the right of the terminal window, there is a vertical sidebar with several small icons, likely for file management or other tools.
