**Assignment No-1**

**Testing the errors Testing is a process of finding bugs or errors in a c program. Find errors if any in the following program. Justify your answer**

**1. #include <stdio.h>**

**void main()**

**{**

**int x;**

**printf(“Enter the value of x”);**

**scanf(“%d”,x);**

**}**

**Correct Program**

**#include <stdio.h>**

**int main()**

**{**

**int x;**

**printf("Enter the value of x: ");**

**scanf("%d", &x);**

**return 0;**

**}**

**2. #include <stdio.h>**

**void main()**

**{**

**printf("hello")**

**}**

**Correct Program**

**#include <stdio.h>**

**int main()**

**{**

**printf("hello");**

**return 0;**

**}**

**3. #include <stdio.h>**

**void Main() {**

**int a = 10;**

**printf("%d", a);**

**}**

**Correct Program**

**#include <stdio.h>**

**int main()**

**{**

**int a = 10;**

**printf("%d", a);**

**return 0;**

**}**

**4. void main() {**

**int a, b, c;**

**a + b = c;**

**}**

**Correct Program**

**#include <stdio.h>**

**int main()**

**{**

**int a = 5, b = 7, c;**

**c = a + b;**

**printf("Sum: %d", c);**

**return 0;**

**}**

**Correct Program**

**5. #include <stdio.h>**

**void main() {**

**while(.) {**

**printf("hello");**

**}**

**}**

**#include <stdio.h>**

**int main()**

**{**

**while(1)**

**{**

**printf("hello");**

**}**

**return 0;**

**}**