## Problem Set 1

1. Find all the errors in the following program.
\#include <stdudio.h>
int main() \{printf(Hello World) \}
2. Write a program to print the following.

3. Write a program to read a number in hexadecimal and print its value in decimal. For example, if the input is 10 the output should be 16 ; if the input is A2 the output should be 162 .
4. Write a program to read five integers each having maximum 10 digits, and print them one in each row in a right-aligned manner. For example, if the input is 101224432222222 the output should be

10
1
22
4432
222222
5. Write a program to evaluate the expression $(x-1)(x-5)\left(x^{2}-4 x+23\right)$ where the value of $x$ is taken from the user.
6. Amir has 7 marbles, Shahrukh has 5 marbles and Salman has 22 marbles. Shahrukh gives 4 of his marbles to Salman. Amir gives 3 of his marbles to Shahrukh. Salman goes to a marble shop and adds double the number of his current number of marbles to his collection. Write a program to simulate / imitate the above exchanges and finally print the number of marbles each of them has.

