**ASSIGMENT 4– PROGRAMMING CONCEPT**

Aim: Understanding Formatted Input/Output

1. Write a printf or scanf statement for each of the following:

1. Print unsigned integer 40000 left justified in a 15-digit field with 8 digits.
2. Read a hexadecimal value into variable hex.
3. Print 200 with and without a sign.
4. Print 100 in hexadecimal form preceded by 0x.
5. Read characters into array s until the letter p is encountered.
6. Print 1.234 in a 9-digit field with preceding zeros.
7. Read a time of the form hh:mm:ss, storing the parts of the time in the integer variables
8. hour, minute and second. Skip the colons (:) in the input stream. Use the assignment
9. suppression character.
10. Read a string of the form "characters" from the standard input. Store the string in
11. character array s. Eliminate the quotation marks from the input stream.

2. Find the error(s) in each of the following program segments. Explain how each error can be

corrected.

1. printf( "%s\n", 'Happy Birthday' );
2. printf( "%c\n", 'Hello' );
3. printf( "%c\n", "This is a string" );
4. The following statement should print "Bon Voyage":

printf( ""%s"", "Bon Voyage" );

1. char day[] = "Sunday";

printf( "%s\n", day[ 3 ] );

1. puts( 'Enter your name: ' );
2. printf( %f, 123.456 );
3. The following statement should print the characters 'O' and 'K':

printf( "%s%s\n", 'O', 'K' );

1. char s[ 10 ];

scanf( "%c", s[ 7 ] );

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