Assignment - 1 Solutions

# 1. Program to print Hello Students on the screen

#include <stdio.h>  
int main() {  
 printf("Hello Students\n");  
 return 0;  
}

# 2. Program to print Hello in the first line and Students in the second line

#include <stdio.h>  
int main() {  
 printf("Hello\nStudents\n");  
 return 0;  
}

# 3. Program to print “MySirG” on the screen

#include <stdio.h>  
int main() {  
 printf(""MySirG"\n");  
 return 0;  
}

# 4. Program to find the area of the circle

#include <stdio.h>  
#include <math.h>  
int main() {  
 float radius, area;  
 printf("Enter radius of circle: ");  
 scanf("%f", &radius);  
 area = M\_PI \* radius \* radius;  
 printf("Area of circle is %.2f having the radius %.2f\n", area, radius);  
 return 0;  
}

# 5. Program to calculate the length of String using printf function

#include <stdio.h>  
#include <string.h>  
int main() {  
 char str[] = "Hello, World!";  
 printf("Length of string: %d\n", strlen(str));  
 return 0;  
}

# 6. Program to print the name of the user in double quotes

#include <stdio.h>  
int main() {  
 char name[] = "Amit Kumar";  
 printf(""Hello, %s"\n", name);  
 return 0;  
}

# 7. Program to print “%d” on the screen

#include <stdio.h>  
int main() {  
 printf(""%%d"\n");  
 return 0;  
}

# 8. Program to print “\n” on the screen

#include <stdio.h>  
int main() {  
 printf(""\\n"\n");  
 return 0;  
}

# 9. Program to print “\\” on the screen

#include <stdio.h>  
int main() {  
 printf(""\\"\n");  
 return 0;  
}

# 10. Program to take date as an input and convert the date format

#include <stdio.h>  
#include <stdlib.h>  
int main() {  
 int day, month, year;  
 printf("Enter date in DD/MM/YYYY format: ");  
 scanf("%d/%d/%d", &day, &month, &year);  
 printf("Day - %d, Month - %d, Year - %d\n", day, month, year);  
 return 0;  
}

# 11. Program to take time as an input and convert the time format

#include <stdio.h>  
int main() {  
 int hour, minute;  
 printf("Enter time in HH:MM format: ");  
 scanf("%d:%d", &hour, &minute);  
 printf("%d Hour and %d Minute\n", hour, minute);  
 return 0;  
}

# 12. Output of the code snippet

#include <stdio.h>  
int main() {  
 int x = printf("ineuron");  
 printf("%d", x);  
 return 0;  
}  
Output will be: "ineuron6" because printf returns the number of characters printed.