Aim:

Implement the concept of inline function.

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-	PART A] Write a program in C++ to Substract two numbers and divide two numbers using the concept of Inline Function.
	PART BI Write a program in C++ to calculate the area of circle and circumference of circle using the concept
)	of inline function.
	An inline function is a function whose defination is small and can be substituted at the place where it's function call is made. By using the "Inline" keyward before a function's defination, you suggest to the compiler to insert the complete body of the function whenever the function is called thus eliminating the overhead of a function call.
-+	Syntax: inline return-type function-type (parameters) { }
	Accessor Functions: Commonly used for accessor function in classes where the function simply returns a value or sets a member variable.
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Code :-	PART A:
	#include < lostream>
Ī	using numespace std;
1	inline int sub (int x, inty), {
	int c:
	C= >c-4;
1	return c:
2	}
	inline Int divi (int x, inty) {
*	int d;
ž.	d= x/y;
	return d;
A	}
Afficiant Affici	int main () {
1600	int min, o, p;
hages 1	cout << " Enter any two numbers: " << endl;
1	cin >7 m >7 n;
3	o = sub (m=n) = = - INE
P	cout << "The Substraction is: "<< 0 << endl;
8	$p = divi(m_n);$
Skir.	cout << "The division is: "<< p << endl;
-	}
Output:	Enter any two Numbers:
	69 96
11.	The substraction is: -27
Plant of DDI	The division is: 0

Code:-	PART B:
1 -1	#Include < iostraum >
	using namespace std;
	inline int arrealint x); {
	int c; float pi = 3.142;
	c=p; * (x * x);
	return C:
	5
	inline int circum (Int x) {
	int d; float pi = 3.142;
	d = 2 * pi * n;
	return d:
	}
	int main () {
	int m. o. p:
-	cout << " Enter any & Number: " << endl;
	cin 77 m;
	0 = aneq(m)
	cout << "The area of circle is: "<< 0 << "sq.fts"
	<< endl;
	p = rirrum (m);
	cout << " The circumforance of circle is: "<< p <<
,	"sq.fts" << endl;
Output:	Enter any Number: 69 96
1	The Arco of Circle 19: 14959 sq.fts.
	The rixumference of arche is: 433 sq.fts.
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(onclusion:	Hence the programs on the inline function were executed successfully with more correct toutput.
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	1 36 or 101 good 101 or 15 6
	int (; floor p) = 3.1925
	= ()c * ()c * 19 = 2
	is mutic
	7.
	inline lat circum (int oc) {
	int d; floot pi = 3.142;
and The State of State St.	28 * 19 * 8 = b
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,	3 () niom thi
	i q o m tol
- 11	to 33 " : madmell & par of the " 25 too
	Cin 72 m ;
11 12 22 11	Enre Times In the contract of the contr
	22 0 22 : 81 shris fo para sit " 22 100)
	Ibna 32
The second secon	: (m) maxis = 4
25 q 3	sout <<" The circumternia of lirde is: 2
: Ibne >>	rout <<" The circumstance of circle is: "29. Fts"
	Appt: Enter any Mumber: 69 96
	The Ara of Girls is a legion sq. Fin
	the army former of and in the safe
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Conclusion:	Hence the programs on the toline function were executed successfully with correct output:
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