Type cashing
And the second s
Explicit conversion
Explicit conversion  L) Assigning a larger data type  a smaller data type
a smaller data type
and the supplication of the state of the state of
Enample
- Karger data type)
Chample  Carger data type  double d = (00.04)
int i = (int)d;
int i = (int)d; Lismaller data type)
() -> (aste operator.
Implicit conversion
Opposite of emplicit.
Emailar daha type - larger
Enample to the second of the s
int i=100; 2 -> Compiler converts  long 1=i; ) it for y
long 1 - ii It for y
orty 1 - )
C 10000 - (22 01 ) 10000 -
Eupliot is also called Narrowing
and the second
Implicit is also called widening.
THE COUNTY IS CHARLES THE COUNTY OF THE COUN

Type promotion Type Romotion is parformed during method ourloading. When the datatype is not the same, you promote one datatype Method overloading -> qualtiple methods with Same name, different Parameters 1) void submact Cint nint of Same noine System.out. printla (n-y); @ void subtract (int winter grint 2) Sychem.out. Println( w-y-2) 3 void subtract Clong n, Ploat y) { System out printly ( h -y); Submact (10,20); 506 Wact ( 10,20,30); -> (alling -> calling 506 hact (10, 30.4); -> Calling (5)

Spy Numbers
What are spy numbers?
The product of the second second
gluen a rumber 1248.
sum of all digits MUST be equal to
product or all digits.
1+2+4+8=15 2 Not a spy 1x2x4x8=64 ) Number
1x2x4x8=64 ) Number
Lad Charlet and Na School the State Control
given 1124
THE PROPERTY OF THE PROPERTY O
1+1+2+4=8 } Sfy Number
14142x4=8.0
8
STEPS!-
(topm(== mod)4;
1) Redare 2 variables sum and product.
int sam =0; 1 will hattand to wall
int product =1;
@ Get input 'n' from user. (Scanner class)
(B) find the last digit (n 0/-10)
(6) Add last alicit to sur
(5) and live look discit with variable product
© Add last digit to Sum.  (a) Multipley last digit with variable product.  (c) Repeat this dast 2 steps until 10
Repeat Inis was 2 stps
becomes O.

frogram
int sum = 0;
int product = 1; Scannor (System. in);
a soul scanne
in the second se
int n = input.nentInt();
while (n >0)" Modelo finds remainder
int last Digit = n'). 10; 7// Gets Last dist
Sumt=last Digit; // Add to Sum
product #= last Digit; // Multiply to product
n=n/10; // Remove Lost digit.
3
- 29 97 3
if (Som == product)
2
3 Sem. out. println ("This is a spy number");
3
Note: -
Since n is caninheger, dividing it by to will remove the last digit.
to will remove the last
the last digit.
Modula Operal CV10
Enample: 112
10 [112]
1120
(4) - Facist digit?
(4)~ (