


Programming Tips
for new Canadian Cheque Specifications

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Disclaimer

- Don't take my word for it
- Talk to your Finance department executives
- Code works in R17
- Mileage may vary in R18 depending on the environment



Canadian Payments Association

- Non-profit association
- Created by Act of Parliament in 1980
- Mandated to establish and operate national systems for the clearing and settlement of payments
- <http://www.cdnpay.ca>



Cheque Imaging

- To modernize Canada's cheque clearing system through image technology
- To capture high-quality images of cheques
- To make cheque processing more efficient



Legal Amount (Amount in Words)

Question: *Is it permitted to print a combination of letters and numbers in the Amount in Words?*

Answer: While it is permitted . . . **It is not recommended.**

To do: Convert cents from numbers to words.



Date Field

- Three permissible formats:
 - YYYYMMDD
 - MMDDYYYY
 - DDMMYYYY



The Subroutine

- To access the Colleague Cheque Printing Subroutine:
 - COLL17 or CDEV17
 - Select TOOL then CF
 - Go to BPO
 - Enter Subroutine: S.R12.PRT.AP.CHK1 (or something similar for your school)



Locate the code

- Find internal subroutine
APB022.PRINT.REG.CHECK
- Changes should also be mirrored in the internal subroutine
APB022.PRINT.REST.OF.VOIDED



Reuse S.SPELL.OUT.AMT

```
* Find "AND" in Word amount
FOR X = 1 TO LEN(X.WORD.AMT)
  UNTIL SUBSTRINGS(X.WORD.AMT,X,5) EQ " AND "
NEXT X
X.DOLLAR.AMT = SUBSTRINGS(X.WORD.AMT,1,X-1)

* Multiply cents figure by 100
X.CENT.AMT = SUBSTRINGS(X.WORD.AMT,X+5,2)*100

* Get word amount of cents
CALL
S.SPELL.OUT.AMT(X.CENT.AMT,X.WORD.AMT,A.MONETA
RY.UNIT)
```

```
X.WORD.AMT = "  
CALL S.SPELL.OUT.AMT(A.CHK.AMT,X.WORD.AMT,A.MONETARY.UNIT)  
* Find "AND" in Word amount  
X.DOLLAR.AMT = "  
X.CENT.AMT = "  
FOR X = 1 TO LEN(X.WORD.AMT)  
  UNTIL SUBSTRINGS(X.WORD.AMT,X,5) EQ " AND "  
NEXT X  
X.DOLLAR.AMT = SUBSTRINGS(X.WORD.AMT,1,X-1)  
* Convert cents into dollars  
X.CENT.AMT = SUBSTRINGS(X.WORD.AMT,X+5,2)*100  
CALL  
  S.SPELL.OUT.AMT(X.CENT.AMT,X.WORD.AMT,A.MONETARY.UNIT)  
FOR X = 1 TO LEN(X.WORD.AMT)  
  UNTIL SUBSTRINGS(X.WORD.AMT,X,5) EQ " AND "  
NEXT X  
X.CENT.AMT = SUBSTRINGS(X.WORD.AMT,1,X-1)  
X.WORD.AMT = X.DOLLAR.AMT:" DOLLARS AND ":X.CENT.AMT:"  
CENTS"
```

DDMMYYYY

```
PRINT SUBSTRINGS(OCONV(A.CHK.DATE,'DDZ2'),1,1):SPACE(2):  
PRINT SUBSTRINGS(OCONV(A.CHK.DATE,'DDZ2'),2,1):SPACE(2):  
PRINT SUBSTRINGS(OCONV(A.CHK.DATE,'DM'),1,1):SPACE(2):  
PRINT  
SUBSTRINGS(OCONV(A.CHK.DATE,'DM'),  
1,2):SPACE(2):  
PRINT SUBSTRINGS(OCONV(A.CHK.DATE,'DYZ4'),1,1):SPACE(2):  
PRINT SUBSTRINGS(OCONV(A.CHK.DATE,'DYZ4'),2,1):SPACE(2):  
PRINT SUBSTRINGS(OCONV(A.CHK.DATE,'DYZ4'),3,1):SPACE(2):  
PRINT SUBSTRINGS(OCONV(A.CHK.DATE,'DYZ4'),4,1):SPACE(2)
```

Q & A

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