

Help

```

#include "doublim.h"

extern char* path_sep;
extern char **error_msg;

int OPT(Get)(int user,Planning *pt_plan,Option *
    opt)
{
    TYPEOPT* pt=(    TYPEOPT*)(opt->TypeOpt);

    (opt->Init)(opt);

    if (user==TOSCREEN)
        if ((opt->Show)(user,pt_plan,opt))
            do
            {
                Fprintf(TOSCREEN,"_____
                -----Option:%s{n",opt->Name);

                ScanVar(pt_plan,user,&(pt->Maturi
ty));
                GetParVar(pt_plan,user,(pt->PayOf
f.Val.V_NUMFUNC_1)->Par);

                /*if ((pt->RebOrNo).Val.V_BOOL==
REBATE)*/
                    GetParVar(pt_plan,user,(pt->
Rebate.Val.V_NUMFUNC_1)->Par);

                GetParVar(pt_plan,user,(pt->Low
erLimit.Val.V_NUMFUNC_1)->Par);
                GetParVar(pt_plan,user,(pt->Upp
erLimit.Val.V_NUMFUNC_1)->Par);
            }
            while ((opt->Show)(user,pt_plan,opt))
;

    return (opt->Show)(TOSCREENANDFILE,pt_plan,
opt);
}

```

```

int OPT(Show)(int user,Planning *pt_plan,Option *
    opt)
{
    TYPEOPT* pt=(TYPEOPT*)(opt->TypeOpt);

    (opt->Init)(opt);
    Fprintf(user,"##Option:%s{n",opt->Name);

    PrintVar(pt_plan,user,&(pt->Maturity));
    ShowParVar(pt_plan,user,(pt->PayOff.Val.V_
        NUMFUNC_1)->Par);

    /*if ((pt->RebOrNo).Val.V_BOOL==REBATE)*/
        ShowParVar(pt_plan,user,(pt->Rebate.Val.
            V_NUMFUNC_1)->Par);

    ShowParVar(pt_plan,user,(pt->LowerLimit.Val.
        V_NUMFUNC_1)->Par);
    ShowParVar(pt_plan,user,(pt->UpperLimit.Val.
        V_NUMFUNC_1)->Par);

    return (opt->Check)(user,pt_plan,opt);
}

int OPT(Check)(int user,Planning *pt_plan,Option
    *opt)
{
    TYPEOPT* pt=(TYPEOPT*)(opt->TypeOpt);
    int status=OK;
    char helpfile[MAX_PATH_LEN]="";

    if ((strlen(opt->Name)+strlen(opt->ID)+strlen(
        "{{opt{{" +strlen("{{" +
        +strlen("_doc.pdf"))>=MAX_PATH_LEN)
    {
        Fprintf(TOSCREEN,"%s{n",error_msg[PATH_TOO_
            LONG]);
        exit(WRONG);
    }
}

```

```

strcpy(helpfile,path_sep);
strcat(helpfile,"opt");
strcat(helpfile,path_sep);

strcat(helpfile,opt->ID);
strcat(helpfile,path_sep);

strcat(helpfile,opt->Name);
strcat(helpfile,"_doc.pdf");

status+=ChkVar(pt_plan,&(pt->Maturity));
status+=(pt->PayOff.Val.V_NUMFUNC_1)->Check)
(user,pt_plan,pt->PayOff.Val.V_NUMFUNC_1);

/*if ((pt->RebOrNo).Val.V_BOOL==REBATE)*/
    status+=(pt->Rebate.Val.V_NUMFUNC_1)->
Check)(user,pt_plan,pt->Rebate.Val.V_NUMFUNC_1);

status+=(pt->LowerLimit.Val.V_NUMFUNC_1)->
Check)(user,pt_plan,pt->LowerLimit.Val.V_NUMFUNC_1
);
status+=(pt->UpperLimit.Val.V_NUMFUNC_1)->
Check)(user,pt_plan,pt->UpperLimit.Val.V_NUMFUNC_1
);

return Valid(user,status,helpfile);
}

extern Option OPT(DoubleCallOutEuro);
extern Option OPT(DoublePutInEuro);
extern Option OPT(DoublePutOutEuro);
extern Option OPT(DoubleCallInEuro);
extern Option OPT(DoubleCallOutAmer);
extern Option OPT(DoublePutInAmer);
extern Option OPT(DoublePutOutAmer);
extern Option OPT(DoubleCallInAmer);
extern Option OPT(ParisianDoubleCallOutEuro);
extern Option OPT(ParisianDoubleCallInEuro);

Option* OPT(family)[]={
    &OPT(DoubleCallOutEuro),

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&OPT(DoublePutOutEuro),  
&OPT(DoubleCallInEuro),  
&OPT(DoublePutInEuro),  
&OPT(DoubleCallOutAmer),  
&OPT(DoublePutOutAmer),  
&OPT(DoubleCallInAmer),  
&OPT(DoublePutInAmer),  
&OPT(ParisianDoubleCallOutEuro),  
&OPT(ParisianDoubleCallInEuro),  
    NULL,  
};
```

References